



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVE ARWOOD
DIRECTOR

ELECTRICAL ADMINISTRATIVE BOARD
Conference Room – 3
Okemos Office Building
2501 Woodlake Circle, Okemos, Michigan

AMENDED AGENDA

August 22, 2013
9:30 a.m.

1. Call to order and determination of quorum
2. Approval of Agenda (page 1 - 2)
3. Approval of Minutes – May 23, 2013 (pages 3 – 7)
4. Successful Examination Applicants – (pages 8 - 22)

A. Contractors	Document E-13-38A
B. Master Electrician	Document E-13-38B
C. Journeyman	Document E-13-38C
D. Sign Specialty Technician	Document E-13-38D
E. Fire Alarm Specialty Technician	Document E-13-38E

5. Applicants appearing before the board (pages 23 -472)

A. Brian P. Ackland	Journeyman Electrician Examination	Document E-13-39
B. Ionaton Bogde	Journeyman Electrician Examination	Document E-13-40
C. Glenn M. Bos	Journeyman Electrician Examination	Document E-13-41
D. Joseph F. Fischer	Journeyman Electrician Examination	Document E-13-42
E. Jeremy R. Garrett	Journeyman Electrician Examination	Document E-13-43
F. Roy A. Lemke	Journeyman Electrician Examination	Document E-13-44
G. Agenda Item Removed		Document E-13-45
H. Mark D. Nickolauson	Journeyman Electrician Examination	Document E-13-46
I. Carlos T. Payne	Journeyman Electrician Examination	Document E-13-47
J. Karl L. Rajala	Journeyman Electrician Examination	Document E-13-48
K. Timothy A. Pinney	Master Electrician Examination	Document E-13-49
L. Timothy J. Boling	Master Electrician Examination	Document E-13-50

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M. Joungho Choi	Master Electrician Examination	Document E-13-51
N. Kevin O. Ryan	Master Electrician Examination	Document E-13-52
O. Curtis L. Morey	Master Electrician Examination	Document E-13-53
P. Greg A. Van de Graaf	Master Electrician Examination	Document E-13-54
Q. Angel M. Martinez	Master Electrician Examination	Document E-13-55
R. Roy T. Pingel	Master Electrician Examination	Document E-13-56
S. Timothy J. Oudbier	Master Electrician Examination	Document E-13-57
T. Joseph C.K. Sayer	Journeyman Electrician Exam Prep Course	Document E-13-58
U. Joseph C.K. Sayer	Master Electrician Exam Prep Course	Document E-13-59
V. Norman Ross	Master/Journeyman Exam Prep Course	Document E-13-60
<u>AMENDED</u> W. Christopher A. O'Connor	Journeyman Electrician Examination	Document E-13-61

****Mr. O'Connor will attend via conference call at 10:00 a.m. EST**

6. Unfinished Business

7. New Business

8. Legislative Update

9. Public Comment

10. Next Meeting – November 7, 2013

11. Adjournment



RICK SNYDER
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STATE OF MICHIGAN
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DIRECTOR

STEVE ARWOOD
DIRECTOR

ELECTRICAL ADMINISTRATIVE BOARD
Conference Room 3
2501 Woodlake Circle
Okemos, Michigan 48864

MINUTES
May 23, 2013
9:30 a.m.

MEMBERS PRESENT

Mr. Ernest Harju
Mr. Thomas Erdman, Chair
Mr. Alan Kuipers
Mr. Robert Kupris
Mr. Richard Long
Mr. Dave Vallier
Mr. David Williams
Mr. Corey Hannahs
Mr. Rich Miller

MEMBERS ABSENT

Mr. Rowland Cornish III

DEPARTMENT PERSONNEL ATTENDING

Mr. Dan O'Donnell, Chief, Electrical Division
Mr. Jim Hennesey, Assistant Chief, Electrical Division
Ms. Toni Nelson, Electrical Division Secretary
Mr. Keith Lambert, Deputy Director, BCC

OTHERS IN ATTENDANCE

Steven Long, UAW
Brian Hillis, Consumers Energy
Timothy Rhoades
Eric Bartow
Dan Holdsworth

Jason Childress
Bryan Salesky
Fred Jones
Greg LaGuire

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1. Call to Order and Determination of Quorum

The meeting was called to order at 9:30 a.m. by Mr. Thomas Erdman, Chairperson. Roll was taken and it was determined a quorum was present.

2. Approval of Agenda

Board member Long moved to approve the agenda, Board member Harju seconded the motion. MOTION CARRIED.

3. Approval of Minutes

The minutes of the May 23, 2013 meeting were reviewed. Board member Long moved to recommend approval of the minutes as written, seconded by Board member Hannahs. MOTION CARRIED.

4. Successful Examination Applicants, Document E-13-21A through E-13-21E

Chair, Tom Erdman recommended approval of documents E-13-21A through E-13-21E, successful examination applicants, as one, motion to approve made by Board member Harju, seconded by Board member Williams. MOTION CARRIED.

5. Applicants Appearing Before The Board

A. Aaron J. Wruble, Journeyman Electrician Examination, Document E-13-22.
Mr. Aaron Wruble was not present. Staff presented findings and recommendations. Board member Williams, moved to allow Mr. Wruble to sit for the journeyman examination, seconded by Board member Long. MOTION CARRIED.

B. Jeremy J. Warren, Journeyman Electrician Examination, Document E-13-23
Mr. Jeremy Warren was not present. Staff presented findings and recommendations. Board member Hannahs moved to allow Mr. Warren to sit for the journeyman examination, seconded by Board member Vallier. MOTION CARRIED.

C. Jason C. Childress, Journeyman Electrician Examination, Document E-13-24
Mr. Jason Childress was present. Staff presented findings and recommendations. After some discussion, Board member Hannahs moved to allow Mr. Childress to sit for the journeyman examination, seconded by Board member Williams. MOTION CARRIED.

D. Bryan D. Salesky, Journeyman Electrician Examination, Document E-13-25
Mr. Bryan Salesky was not present. Staff presented findings and recommendations. After some discussion, Board member Williams moved to allow Mr. Salesky to sit for the journeyman examination, seconded by Board member Vallier. MOTION CARRIED.

- E. Jesse L. Upham, Journeyman Electrician Examination, Document E-13-26
Mr. Jesse Upham was not present. Staff presented findings and recommendations. After some discussion, Board member Vallier moved to allow Mr. Upham to sit for the journeyman examination, seconded by Board member Harju. MOTION CARRIED.
- F. Daniel E. Holdsworth, Journeyman Electrician Examination, Document E-13-27.
Mr. Daniel Holdsworth was present. Staff presented findings and recommendations. After some discussion, Board member Long moved to allow Mr. Holdsworth to sit for the journeyman electrician examination, seconded by Board member Williams. MOTION CARRIED.
- G. Timothy R. Rhoades, Master Electrician Examination, Document E-13-28
Mr. Timothy Rhoades was present. Staff presented findings and recommendations. Board member Williams moved to allow Mr. Rhoades to sit for the master examination, seconded by Board member Hannahs. MOTION CARRIED.
- H. Brad C. Darnell, Master Electrician Examination Document E-13-29
Mr. Brad Darnell was present. Staff presented findings and recommendations. After some discussion, Board member Vallier moved to allow Mr. Darnell to sit for the master electrician examination, seconded by Board member Hannahs. MOTION CARRIED
- I. Joe Enwiya, Master Electrician Examination Document E-13-30
Mr. Joe Enwiya was present. Staff presented findings and recommendations. After some discussion and questions, Board member Long determined there was no additional information verifying Mr. Enwiya's experience and moved to deny Mr. Enwiya to sit for the master electrician examination, seconded by Board member Hannahs. MOTION CARRIED
- J. Gregory E. LaGuire, Master Electrician Examination Document E-13-31
Mr. Gregory LaGuire was present. Staff presented findings and recommendations. After some discussion, Board member Williams moved to allow Mr. LaGuire to sit for the master electrician examination, seconded by Board member Harju. MOTION CARRIED
- K. Eric Bartow, Master Electrician Examination Document E-13-32
Mr. Eric Bartow was present. Staff presented findings and recommendations. After some discussion, Board member Long moved to allow Mr. Bartow to sit for the master electrician examination, seconded by Board member Williams. MOTION CARRIED

- L. Pilho Cha, Master Electrician Examination Document E-13-33
Mr. Pilho Cha was not present. Staff presented findings and recommendation. After some discussion Board member Williams moved to deny Mr. Cha to sit for the master electrician examination for lack of verified experience, seconded by Board member Vallier. **MOTION CARRIED.**
- M. Thomas J. Wilbert, Master Electrician Examination Document E-13-34
Mr. Thomas Wilbert was not present. Staff presented findings and recommendations. After some discussion, Board member Hannahs moved to allow Mr. Wilbert to sit for the master electrician examination, seconded by Board member Williams. **MOTION CARRIED**
- N. Fred G. Jones, Master Electrician Examination Document E-13-35
Mr. Fred Jones was present. Staff presented findings and recommendations. After some discussion, Board member Vallier moved to allow Mr. Jones to sit for the master electrician examination, seconded by Board member Long. **MOTION CARRIED**
- O. Christopher J. White, Master Electrician Examination Document E-13-36
Mr. Christopher White was not present. Staff presented findings and recommendations. After some discussion, Board member Harju moved to allow Mr. White to sit for the master electrician examination, seconded by Board member Hannahs. **MOTION CARRIED**
- P. Mark E. Putnam, Journeyman Electrician Examination Document E-13-18
Mr. Mark Putnam was not present. Staff presented findings and recommendations. After some discussion, Board member Vallier moved to allow Mr. Putnam to sit for the journeyman electrician examination, seconded by Board member Harju. **MOTION CARRIED**
6. Unfinished Business - None
7. New Business – Mr. Dan O'Donnell expressed his and Bureau's gratitude to Board Member, Richard Long for his input and contributions while serving on the Board. Mr. Long's appointment expires on August 10, 2013.
- Mr. O'Donnell also expressed his and the Bureau's gratitude to Board Member, Rowland Cornish as his appointment will also expire on August 10, 2013
- Mr. O'Donnell also expressed his and the Bureau's gratitude to Board Member, Dave Vallier as his appointment will also expire August 10, 2013.
- Mr. O'Donnell explained that any of the Board members can reapply for appointment through the Governors office.

Mr. O'Donnell announced that the NEC 2011 is about to be adopted and it has not been determined by the Bureau Chief, Irvin Poke, if we would start testing on the 2011 code in November 2013 or in February 2014.

8. Legislative Updates – Deputy Director, Keith Lambert gave a quick over view of a couple of bills that are in the process.
9. Public Comment – None
10. Next Meeting – August 22, 2013
11. Adjournment – 10:30 a.m. Board member Hannahs moved to adjourn, seconded by Board member Long. **MOTION CARRIED.**

Thomas Erdman, Chair

Date

LICENSE REVIEW

August 22, 2013

E-13- 38A

The Department of Licensing and Regulatory Affairs, Bureau of Construction Codes, Electrical Division, has issued licenses to the following applicants who received a passing score for the examination taken in Lansing on May 14, 2013.

Contractor License

ANCONA, BETH
BALDERSTONE, JAMES M
BAUMAN, ANDREW R
BOLING, JOSH T
BRUURSEMA, COREY A
COON, ROBERT S
DOWD, RICHARD F
FRIESNER, LAWRENCE M
GILLIS, DANIEL J
GILMORE, ANDREW J
HAYNES, JOSEPH C
HAYNOR, JAMES A
HEMGESBERG, JUSTIN M
HENDERSHOT, DAVID M
HULSMAYER, DOUGLAS W
JACKSON, JONATHON D
JONES, FRED G
KANAKIS, NICHOLAS J
KAUFFMAN, BRIAN R
KRETSCHMAN, JEREMIE L
KRUSE, RICHARD R
LABARGE, EDWARD A
DALY, SCOTT W
LANDSKROENER, CASEY A
LEADMAN, STEVEN J
MARTELL, DANIEL P
MCVEIGH, ANGUS I
MILLER, CARA B
NELSON, RYAN W
NORRIS, DREW W III
NOVELLO, ROBERT M
NOWAK, SHERRY D
OBENG, BILLY M
O'LEARY, RYAN J
ORTON, DONALD C
OVERLY, CARL J
PEYERK, JUSTIN D
ROBINSON, JESSE V
SEARS, GREGORY W

WIXOM, MI
MT. MORRIS, MI
SAGINAW, MI
PLAINFIELD, IN
ZEELAND, MI
CHESANING, MI
SAGINAW, MI
ELKHART, IN
SALEM TWP, MI
VICKSBURG, MI
GOWEN, MI
GRAND BLANC, MI
NEW LATHROP, MI
BURTON, MI
OXFORD, MI
WATERFORD, MI
CRESTWOOD, IL
KINGSLEY, MI
CALEDONIA, MI
CONKLIN, MI
BYRON, MI
OXFORD, MI
CHESTERFIELD, MI
SAGINAW, MI
RAPID RIVER, MI
GRASS LAKE, MI
NEW HAVEN, MI
MISHAWAKA, IN
SAGINAW, MI
WATERFORD, MI
CHARLOTTE, MI
ST CHARLES, MI
WIXOM, MI
LAKE ORION, MI
WHITE PIGEON, MI
MIDLAND, MI
SHELBY TWP, MI
DEFORD, MI
HICKORY CORNERS, MI

LICENSE REVIEW

August 22, 2013

E-13- 38A

The Department of Licensing and Regulatory Affairs, Bureau of Construction Codes, Electrical Division, has issued licenses to the following applicants who received a passing score for the examination taken in Lansing on May 14, 2013.

Contractor License

SOYK, RICHARD M
SPINK, MARK S
TRUONG, PHUONG T
VON BERG, JAMES L II
WALTER, RICHARD M
WEGMANN, DAVID K
WICKMAN, JEFFREY W
ZELLERINO, DARRELL L

YPSILANTI, MI
JONESVILLE, MI
CALEDONIA, MI
SAGINAW, MI
WOLVERINE LAKE VILLAGE, MI
LIVONIA, MI
LIVONIA, MI
LINCOLN PARK, MI

LICENSE REVIEW
August 22, 2013

E-13- 38A

The Department of Licensing and Regulatory Affairs, Bureau of Construction Codes, Electrical Division, confirms that the applicants listed below received a passing score on the examination taken in Lansing on July 9, 2013.

Contractor License

BARNES, KEVIN
BORON, STEVEN D
BRETHAUER, JAMES D
BROWNE, TIMOTHY R
BURKHARDT, ERIC J
CARRITTI, GEORGE A
COMBS, CHARLES J
CRIMENS, JOHN F
DILLINGHAM, KENNETH G
GARCIA, EMIR H
HARMON, BRADLEY J
JACKSON, DAVID W
JOHNSON, DUSTIN J
KRAUSE, BRADLEY J
LAU, ERIC D
MIRAMONTI, KENNETH M
MORALES, HENRY I
NEVIUS, JAMES D
NIEMAN, JEFFERY W
NILES, PAUL A
PENNING, JON M
RATZ, MATTHEW M
RYAN, KEVIN O
STORNELLO, LOUIS V
SWANSON, VICTOR K
VAILLANCOURT, WILLIAM H
WOOD, DOUGLAS W

BRONSON, MI
WESTLAND, MI
HOLT, MI
COMMERCE, MI
NOVI, MI
DAVISON, MI
HOUGHTON LAKE, MI
CLINTON TWP, MI
FOWLerville, MI
DEARBORN, MI
MIDDLEVILLE, MI
CHARLESTON, SC
PRUDENVILLE, MI
LOWELL, MI
EAST LANSING, MI
STERLING HEIGHTS, MI
FLINT, MI
FLINT, MI
KINGSTON, MI
PAW PAW, MI
GRAND RAPIDS, MI
MONROE, MI
BUFORD, GA
GRAND BLANC, MI
NILES, MI
CHESTERFIELD TWP, MI
SHELBY TWP, MI

LICENSE REVIEW
August 22, 2013

E-13- 38A

The Department of Licensing and Regulatory Affairs, Bureau of Construction Codes, Electrical Division, confirms that the applicants listed below received a passing score on the examination taken in Escanaba on July 16, 2013.

Contractor License

Anderson, John R
Ciavattone, David L
Debone, Patrick R
Holton, Kent N
Roznowski, Andrew J
Pruyne, Andrew D

Ishpeming, MI
Livonia, MI
Gladstone, MI
Northport, MI
Alpena, MI
Bear Lake, MI

LICENSE REVIEW
August 22, 2013

E-13- 38B

The Department of Licensing and Regulatory Affairs, Bureau of Construction Codes, Electrical Division confirms that the applicants listed below received a passing score on the examination taken in Lansing on May 30, 2013.

Master Electrician

AVERY, STEVEN K
BARTLETT, CANDACE
BARTOW, ERIC
BATEY, JEFFREY L
BEYER, TIMOTHY P
BOZUNG, MICHAEL G
BRYANT, WILLIAM J
BULLIS, JEFFERY C JR
BULLOCK, RYAN M
BURTON, BEAU E
CAMPBELL, CURTIS L II
CANESTRARO, JOHN
CARN, RANDY L
CHRISTIAN, JOSHUA R
CLEMONS, RODNEY L
CONVERY, PAUL B
CORWIN, DANIEL L
CRIMENS, JOHN F
CRITTENDEN, RICHARD L JR
DAN, EMANUEL
DZIUBAN, CHARLES N
FIELDS, BRENT A
FORTUNE, WILLIAM P JR
FUGATE, CHARLES R
GELARDI, STEPHEN R
GORNEY, ANDREW J
GORNEY, STEVEN H
GREEN, ANDREW T
GREEN, BRIAN N
GREENE, JAMES B
GREINER, GREGORY G
GREINER, STEVEN R
GRIFFEY, DANIEL G
HAJEC, PATRICK W
HERING, DAVID G
HEUSEL, BRIAN C
HIBBARD, GREGORY M
HICKEY, JONATHAN T
HILLIARD, ROBERT S JR

BELLEVILLE MI
DEARBORN MI
HOWELL MI
LOWELL MI
JACKSON MI
PORTLAND MI
WHITMORE LAKE MI
PLAINWELL MI
CAPAC MI
GROSSE POINTE WOODS MI
SYLVAN LAKE MI
LIVONIA MI
DEWITT, MI
ONSTED MI
FRANKLIN MI
JEROME MI
DOWAGIAC MI
CLINTON TWP MI
CARO MI
LIVONIA MI
STANDISH MI
BATTLE CREEK MI
NORTHVILLE MI
MIDLAND MI
CLINTON TWP MI
JACKSON MI
TOLEDO OH
VICKSBURG MI
REDFORD MI
ALLEN PARK MI
PENTWATER MI
WHITEHALL MI
WARREN MI
FENTON MI
ST CLAIR MI
SALINE MI
SAGINAW MI
OWOSSO MI
NOVI MI

LICENSE REVIEW
August 22, 2013

E-13- 38B

The Department of Licensing and Regulatory Affairs, Bureau of Construction Codes, Electrical Division confirms that the applicants listed below received a passing score on the examination taken in Lansing on May 30, 2013.

Master Electrician

HOMIAK, DAVID G
HONEYCUTT, BRIAN E
HOPPER, AARON L
HULSMeyer, DOUGLAS W
ICHENBERG, RICHARD A
JANDERNOA, JAMES P
JONES, BRADLEY E
KACZOR, JOSEPH M
KAUFFMAN, RYAN E
KELLOGG, ROBERT L
KENT, STEPHEN C
KNIEPER, MATTHEW R
KNOPER, KYLE L
KUCH, PAUL M
LANZON, RANDY M
LAU, ERIC D
LEWALSKI, DANIEL M
LIBSTAFF, ROBERT S
LINDNER, TIMOTHY P
LOPEZ, JOSE L
LUBACZEWSKI, SCOTT C
MAHER, MARTY R
MARSH, SHAWN
MATTESON, PATRICK L
MIARS, GARRETT W
MITCHELL, KEVIN G
MORRIS, RALPH JR
NORTH, MARK A
PATYCOLA, MICHAEL A
PEEBLES, ROBERT E
PENHALLEGON, DUANE T
PETRICEVIC, MICHAEL G JR
PETTINGER, RONALD L
PIRTLE, KEVIN G
PLINE JOHN M
PRESTON, PATRICK R
PRUYNE, ANDREW D
RAUSCH, SCOTT
ROBERTS, STEVE A

SOUTHGATE MI
STERLING HEIGHTS MI
WARREN MI
OXFORD MI
PORT HURON MI
FOWLER MI
CLARKSTON MI
BRUCE TOWNSHIP MI
CALEDONIA MI
NILES MI
HOLT MI
CHESANING MI
HUDSONVILLE MI
LANSING MI
CENTER LINE MI
EAST LANSING MI
COMMERCE TOWNSHIP MI
WARREN MI
COLDWATER MI
MILLBURY OH
BAY CITY MI
MARTIN MI
WARREN MI
JACKSON MI
GRAND LEDGE MI
FRUITPORT MI
DEARBORN HEIGHTS MI
CAVE CREEK AZ
MACOMB TWP MI
MARNE MI
JACKSON MI
MIDLAND MI
MARINE CITY MI
ROCHESTER HILLS MI
FOWLER MI
MECOSTA MI
BEAR LAKE MI
HARRISON TWP MI
WESTLAND MI

LICENSE REVIEW

August 22, 2013

E-13- 38B

The Department of Licensing and Regulatory Affairs, Bureau of Construction Codes, Electrical Division confirms that the applicants listed below received a passing score on the examination taken in Lansing on May 30, 2013.

Master Electrician

ROTONDI, FRANK W
ROUCH, BEN A
ROWELL, KENNETH R
RUSSCHER, BRENT D
SCHERBINSKI, JOSEPH E
SCHUETTE, CRAIG S
SMITH, BRIAN P
SMITH, DENIS L
SMITH, JEFFREY L
SMITH, KEVIN P
SMITH, LLOYD R
SPIEGEL, RYAN D
STONE, HAL J
TALAGA, THOMAS ALLEN
THOMAS, GEORGE A
TIPPIE, DONALD R
TOWNE, DIANNE
VOGEL, MATTHEW T
VORIS, DAVID WARREN
WALZ, PETER M
WELLS, MARC S
WITGEN, BRIAN D
WITTHOEFT, MARVIN J
YOUNG, TODD A
ZICKGRAF, ROBERT W

PORT HURON MI
SCHOOLCRAFT MI
HARRISON MI
HAMILTON MI
COMSTOCK PARK MI
MIDLAND MI
YPSILANTI MI
HASTINGS MI
LIVONIA MI
MAYBEE MI
MELROSE MA
UTICA MI
ADRIAN MI
BEAVERTON MI
WEST OLIVE MI
GRASS LAKE MI
SOUTH LYON MI
MT PLEASANT MI
JEROME MI
JACKSON MI
ONSTED MI
WESTPHALIA MI
CHARLEVOIX MI
CLINTON MI
EMMETT MI

LICENSE REVIEW
August 22, 2013

E-13- 38B

The Department of Licensing and Regulatory Affairs, Bureau of Construction Codes, Electrical Division, confirms that the applicants listed below received a passing score on the examination taken in Escanaba on July 16, 2013.

Master Electrician

ANDERSON, PETER J
BAUMER, CRAIG R
CARLSON, BRODY L
CHENIER, JOHN A
DARNELL, BRAD C
HENNE, JAMES D
JARRETT, JUSTIN W
KERANEN, CARL E
KINGREN, RUSSELL E
LAGUIRE, GREGORY E
LAURILA, GARY F
NASH, ROGER S
SKYTТА, JORDON
ULRICH, DAVID A
WINN, ADAM J
YEARLING, STEVEN D

MARQUETTE MI
HEMLOCK MI
MANISTIQUE MI
ESCANABA MI
AVON IN
SAGINAW MI
ORTONVILLE MI
LAKE LINDEN MI
MANISTIQUE MI
FRUITPORT MI
NEGAUNEE MI
ONAWAY MI
CHAMPION MI
ST IGNACE MI
SOUTH BOARDMAN MI
NORTH ADAMS MI

LICENSE REVIEW

E-13-38C

August 22, 2013

The Department of Licensing and Regulatory Affairs, Electrical Division, confirms that the applicants listed below received a passing score of the examination taken in Lansing on May 30, 2013

Journeyman Electrician

AGUIRRE, MICHAEL R
ALDRICH, NICHOLAS L
ARGUE, JEFF
ARNOLD, NATHAN B
BATT, JEREMY J
BAUDINO, JAMES J
BEARD, SCOTT A
BEAUCHAMP, JOSHUA W
BEGZIAK, BRANDON MICHAEL
BOGNER, GARRETT A
BOONSTRA, MATTHEW A
BOWEN, JOSH D
BROWER, JEREMY K
BROWN, SAMUEL A
BRUNER, MATTHEW W
CARLSON, PAUL F
CARPENTER, JEREMIAH T
CASTERLINE, SCOTT C
CENKUSH, ANTHONY L
CIMAROLI, FRANCO G
COLE, KATHLEEN M
COOLEY, NATHAN M
CORNELL, SCOTT G
CRANDELL, JASON L
CUDNEY, JAYSON E
CUOLAHAN, CHRIS P
DEVORE, CODY C
DICCICCO, ARTHUR A
DINGESS, ROBERT A
DISMUKE, DANIEL L
DOWNOUR, JAMES R
EDMONDS, DAROLD M
ENGLAND, MICHAEL J
EWEN, ERIC D
FABER, GERALD A

MILLINGTON MI
MUNITH MI
CLIO MI
UNIONVILLE MI
OAKWOOD OH
HOLLY MI
GALESBURG MI
BAY CITY MI
MAYBEE MI
CEDAR SPRINGS MI
COMSTOCK PARK MI
WALKER MI
WALKER MI
WILLIAMSTON MI
BERKLEY MI
BYRON CENTER MI
WILLIAMSTON MI
ZEELAND MI
OSCEOLA IN
CLINTON TWP MI
JACKSON MI
ZEELAND MI
PERRYSBURG OH
MIDLAND MI
KINGSLEY MI
TEMPRANCE MI
BATTLE CREEK MI
SOUTH LYON MI
WYANDOTTE MI
GOULD CITY MI
TOLEDO OH
NOVI MI
WHITE CLOUD MI
LAMBERTVILLE MI
BRECKENRIDGE MI

LICENSE REVIEW

E-13-38C

August 22, 2013

The Department of Licensing and Regulatory Affairs, Electrical Division, confirms that the applicants listed below received a passing score of the examination taken in Lansing on May 30, 2013

Journeyman Electrician

48615FAGERLIE, ROGER A JR
FELIX, ERIC J
FRENCH, MICHAEL P
FROST, JAMES E
GAJEWSKI, PAUL
GARBRECHT, RAYMOND G
GEE, THOMAS G
GEECK, ANDREW T
GETZEN, JOSEPH J
GRAHAM, GAVIN J
GRAHAM, TIM L
GROSS, NICHOLAS N
GRUNER, AARON M
HALL, NICHOLAS A
HALLAK, SUHAIL Y
HEIN, TIMOTHY L
HENDERSHOT, DAVID A
HEPP, KELSEY J
HOLMES, TIMOTHY S
JANKWIETZ, DAVID L
JARMOLINSKI, EDWARD
JUNGNITSCH, SCOTT A
KATAI, TIMOTHY S
KELLEHAN, RYAN P
KIELIAN, TIMOTHY J
KLATY, ZACHARY K
KLEIBER, JUSTIN A
KOECHLEY, ANTHONY J
LAFEVER, JOSEPH D
LANDRA, DENNIS J
LEVENTIS, ADAM M
LEWIS, JOHN A
LIJEWSKI, DAVID J
LIMBER, NICHOLAS A
LINCOLN, NICHOLAS

PRUDENVILLE MI
DAVISON MI
GROSSE PTE WOODS MI
ALLEGAN MI
UTICA MI
HASTINGS MI
WILLIAMSBURG MI
COLEMAN MI
WALLED LAKE MI
MUSKEGON MI
LAKE ORION MI
BRIGHTON MI
NEW BALTIMORE MI
HOWARD CITY MI
OAK PARK MI
ROLLING PRAIRIE IN
DIMONDALE MI
WYOMING MI
BATTLE CREEK MI
MANISTEE MI
CLINTON TWP MI
ST CHARLES MI
DEARBORN HEIGHTS MI
SAINT CLAIR SHORES MI
DAVISON MI
NEWBERRY MI
FENTON MI
TOLEDO OH
MACOMB MI
WEST BLOOMFIELD MI
WOLVERINE LAKE MI
FERNDAL MI
MANISTEE MI
DORR MI
COMMERCE TWP MI

LICENSE REVIEW

E-13-38C

August 22, 2013

The Department of Licensing and Regulatory Affairs, Electrical Division, confirms that the applicants listed below received a passing score of the examination taken in Lansing on May 30, 2013

Journeyman Electrician

LOCKLEY, HAROLD K
LOMBARDO, GREGORY L
LUCHT, NICHOLAS J
MAES, MATTHEW J
MATHEWS, NICHOLAS CHARLES
MATZNICK, MATT R
MAY, SHAWN M
MCKEE, MATTHEW R
MILAM, JOSH P
MILANOWSKI, ANDREW J
MILKEY, JEREMY
MILLER, MELVIN D
MOUBRRAY, ANDREW R
MOUTHAAAN, DAVID L
MYERS, STEVEN G
NATION, JAMES W
NEELLY, ERIC A
NOLEN, KIRK R
OVERCASHIER, JAKE W
PAMS, MATTHEW B
PANACKIA, BLAIR
PASCO, GORDON E
PERKINS, DONALD R JR
PRENTICE, ERROL S
PRICE, DANIEL J
PROVOST, NICHOLAS R
PUTNAM, ALAN R
PUTNAM, MARK E
QUICK, DOUGLAS M
RAYMOND, GLENN J
REIDSMA, DONALD D
ROGERS, DUANE W
ROSS, CARLOS E
ROSS, SHANE M
RUSHLOW, JOHN J

BROWNSTOWN MI
HASLETT MI
DEERFIELD MI
CLINTON TWP MI
BROWNSTOWN MI
BYRON MI
CLINTON TWP MI
KINGSFORD MI
WARREN MI
KENT CITY MI
WATERFORD MI
WARREN MI
EDWARDSBURG MI
WATERFORD MI
TOLEDO OH
NEWPORT MI
TRAVERSE CITY MI
WATERFORD MI
TOLODO OH
ROYAL OAK MI
DEARBORN MI
CLARKSTON MI
ST CLAIR SHORES MI
BERRIEN SPRINGS MI
MT CLEMENS MI
FENTON MI
BATTLE CREEK MI
DORR MI
CLARKSTON MI
COLDWATER MI
OWOSSO MI
PORTAGE MI
LINCOLN PAQRK MI
ANGOLA IN
ALLEN PARK MI

LICENSE REVIEW

E-13-38C

August 22, 2013

The Department of Licensing and Regulatory Affairs, Electrical Division, confirms that the applicants listed below received a passing score of the examination taken in Lansing on May 30, 2013

Journeyman Electrician

RUSSELL, NICHOLAS A
SABATINI, JOSEPH
SANFORD, ROBERT W JR
SCARCLIFF, MATT C
SCHAENDORF, JUSTIN R
SCHEUER, MITCHELL J
SCHULTZ, MICHAEL J
SEIGNEURIE, ROBERT M
SELVIUS, BRADLEY J
SHARP, KEVIN A
SHEARER, BRETT M
SHOOK, TODD D
SMITH, NICHOLAS R
SPENCER, JAY R
STARKEY, ALAN W
TAYLOR, BEAU J
TENWALDE, KIRK M
THUNDEREAGLE, BRIAN C
TORONJO, TYSON A
TOTH, RUSSELL A
ULMAN, BRIAN D
UPHAM, JESSE L
VANDERSLOOT, NICHOLAS J
VAUGHN, TROY J
WHEELER, THOMAS S
WILKINSON, TODD M
WILLIS, RYAN E
WOJCIECHOWSKI, DARIUSZ
ZINKIL, JASON W

FRASER MI
CLINTON TWP MI
MIDDLEVILLE MI
TAYLOR MI
HOPKINS MI
ST CLAIR MI
SWARTZ CREEK MI
CHESGTERFIELD MI
ALTO MI
PORTLAND MI
SOUTH BEND IN
JEROME MI
ZEELAND MI
OTSEGO MI
TOLEDO OH
PLAINWELL MI
BEAVERTON MI
KALAMAZOO MI
MIDLAND MI
HIGHLAND MI
BAY CITY MI
MISHAWAKA IN
LOWELL MI
HOLTON MI
OWOSSO MI
MANCERLONA MI
CEDAR SPRINGS MI
WARREN MI
PAW PAW MI

LICENSE REVIEW

E-13-38C

August 22, 2013

The Department of Licensing and Regulatory Affairs, Electrical Division, confirms that the applicants listed below received a passing score on the examination taken in Escanaba on July 16, 2013

Journeyman Electrician

BERO, TRACY A
BUETOW, JACOB R
DALTON, THOMAS E
FIELDS, RONALD E
JOHNSON, DERICK R
KOSKI, JEFFREY P
MCMANMAN, DAVID M
PIERCE, NATHAN T
SALESKY, BRYAN D
SCULLY, TREVOR J
ZALUD, STEVE C

RAPID RIVER MI
REESE MI
MILAN MI
FAIRGROVE MI
MARINETTE WI
HOUGHTON MI
RAPID CITY MI
KINGSLEY MI
POUND WI
KENTWOOD MI
JENISON MI

LICENSE REVIEW

E-13-38D

August 22, 2013

The Department of Licensing and Regulatory Affairs, Bureau of Construction Codes, Electrical Division, confirms that the applicants listed below received a passing score on the examination taken in Lansing on July 9, 2013

Sign Specialty Technician

ADAMS, JOSHUA L
KUHL, JAMES R
MERTZ, JEREMY B
VANOCKER, JOHN R

FLINT MI
MT MORRIS MI
CALEDONIA MI
COMSTOCK PARK MI

LICENSE REVIEW

E-13-38E

August 22, 2013

The Department of Licensing and Regulatory Affairs, Bureau of Construction Codes, Electrical Division, confirms that the applicants listed below received a passing score on the examination taken in Lansing on July 9, 2013

Fire Alarm Specialty Technician

APPEL, KEVIN W
GORDON, MICHAEL A
OTEY, BRIAN F
RECKER, GERARD
VASILOFF, KEVIN A

LIVONIA MI
WYOMING MI
SYLVANIA OH
FREMONT OH
HOWELL MI



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVE ARWOOD
DIRECTOR

August 22, 2013

E-13-39

TO: Members of the State Electrical Administrative Board
FROM: Dan O'Donnell, Chief, Electrical Division
SUBJECT: Journeyman electrician examination application

APPLICANT REPRESENTATIVE:

Brian P. Ackland

PROJECT:

N/A

AUTHORITY:

The Michigan Electrical Administrative Act, 1956 PA 217 of the Michigan Compiled Laws.

The Electrical Administrative Board General Rules

REQUEST:

Request to petition the Electrical Administrative Board to sit for the journeyman electrician examination.

APPLICABLE RULE:

1956 PA 217, MCL 338.883a Sec. 3a. (c), MCL 338.883d Sec. 3d. (1), (a), (b), (c), (d), Administrative Board General Rules R338.1005a Rule 5a. (1), (2), (3), R338.1006a Rule 6a (1), (3), (4).

FINDINGS:

Mr. Ackland submitted an application to the Electrical Division to sit for the journeyman electrician examination. The information submitted with Mr. Ackland application

Providing for Michigan's Safety in the Built Environment

indicates that he completed a 5 year electrical apprenticeship through IBEW Local 150 in Libertyville, Illinois and the Lake County JATC where he accrued over 29000 hours of electrical experience under the supervision of licensed electrical contractors. Mr. Ackland's documentation indicates that he has been by employed as an electrician with Cliffs Natural Resources located in Ishpeming, MI since November 2010 and he has accrued an additional 5662 hours of electrical experience under the supervision of a master electrician.

RECOMMENDATION:

In accordance with the acts and rules listed above staff concludes that Mr. Ackland meets the requirements to sit for the State of Michigan journeyman electrician examination and recommends that the board approve his application.



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVE ARWOOD
DIRECTOR

Date Mailed from BCC: 8/6/2013

Brian P. Ackland
[REDACTED]
[REDACTED]

Document E-13-39
Exam Applicant Review

NOTICE OF MICHIGAN ADMINISTRATIVE ELECTRICAL BOARD MEETING

You are hereby notified that in accordance with the Administrative Procedures Act, 1969 PA 306, MCL 24.201 *et seq.*, and the Electrical Administrative Act being 1956 PA 217 MCL 338.881 *et seq.*, you are scheduled to appear before the Michigan Electrical Administrative Board on:

Date: August 22, 2013
Time: 9:30 a.m.
Location: Department of Licensing and Regulatory Affairs
Bureau of Construction Codes
2501 Woodlake Circle, Conference Room 3
Okemos, MI 48864

This notice is to provide you the opportunity to provide testimony to the board regarding your experience and eligibility to sit for the journeyman electrician exam. If you wish to offer any document(s) into evidence, you must file the documentation with the Electrical Division prior to the meeting or bring fifteen (15) copies of the information you wish to enter for the board's consideration. In the event you are unable to attend the meeting or you choose not to appear before the board, please contact the Electrical Division in advance of the meeting. In the event that you fail to appear at the meeting as scheduled, a decision may be entered in your absence.

Accompanying this notice is a report outlining our findings and recommendation based upon the Electrical Administrative Act being 1956 PA 217 MCL and the documentation you have provided at the time of mailing. Any questions regarding this matter may be directed to the Electrical Division at (517) 241-9320.


Dan O'Donnell, Chief, Electrical Division

8-6-2013
Date

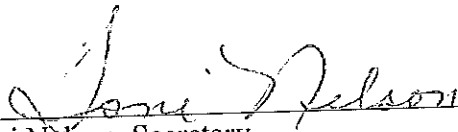
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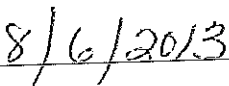
Exam Applicant Review
Brian P. Ackland
Document No. E-13-39
August 22, 2013
Page 2 of 4

PROOF OF SERVICE



I hereby state, to the best of my knowledge, information, and belief, that a copy of the foregoing document was served on this date upon all parties and/or attorneys of record in this matter by email to those parties employed by the State of Michigan and by first class mail to the remaining parties at their respective addresses as disclosed below.



Toni Nelson, Secretary
Electrical Division
Bureau of Construction Codes



Date

Brian P. Ackland



BCC Administration

Application for Journeyman Electrician Examination
Michigan Department of Licensing and Regulatory Affairs
Bureau of Construction Codes / Electrical Division
P.O. Box 30255, Lansing, MI 48909
517-241-9320

103

www.michigan.gov/bcc

Agency Use Only *

Examination Fee: \$100.00 (nonrefundable)

Authority: 1956 PA 217
Completion: Mandatory
Penalty: Examination will not be given

LARA is an equal opportunity employer/program. Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.

Instructions: To be eligible to make application for and take this examination an applicant shall meet the following criteria:

- Complete and sign application. Type or print in ink.
- Application and fee must be received 20 business days prior to the examination date.
- Applicant must not be less than 20 years of age.
- Provide **original notarized** documentation from present or former employers to the effect that the applicant has not less than 8,000 hours of practical experience obtained over a period of not less than 4 years related to electrical construction or electrical maintenance of buildings under direct supervision of a person licensed pursuant to the act. Documentation must include the beginning (month, day, year) to ending (month, day, year) dates of employment. The 8,000 hours of practical work experience over 4 years must be attained prior to the deadline date for submitting documentation. **Notarized**, original documentation must be on employers' letterhead stationery and provide dates of employment and hours worked under licensed supervision and signed by the qualified master electrician.
- Enclose a check made payable to the **State of Michigan**.
- Mail completed application, required documents, and payment to the address listed above.

Information

Applicants are permitted one examination for the \$100.00 fee. Upon achieving a minimum passing score of 75% or higher, the applicant will be billed \$40.00 for the journeyman electrician license prior to issuance of the license. Failure of examination 2 times within 2 years requires 1 year waiting period from the date of the second failure and proof of successful completion of a course on code, electrical fundamentals or theory to be eligible for reexamination. Examination fee is forfeited upon failure to appear for scheduled examination unless written explanation is received within 10 business days of the examination.

Examination Eligibility of Applicants From Other States or Countries

A person who is licensed as a journeyman electrician in another state or country may qualify for examination upon determination by the board that the license was obtained by the person through substantially the same or equal requirements as those of the state of Michigan in accordance with the provisions of section 3a of the act.

Applicant Information

NAME (Last Name, First Name, Middle Initial)		DATE OF BIRTH	LAST 4 DIGITS OF SOCIAL SECURITY NUMBER*
Ackland, Brian, P.			XXX-XX-XXXX
ADDRESS	CITY	TOWNSHIP	
COUNTY	STATE	ZIP CODE	TELEPHONE NUMBER (Include Area Code)
	Michigan		

Have you previously taken this examination? ☐ Yes ☒ No

If examination was not administered by the State Electrical Division provide the licensing entity:

City of _____ Township of _____

Examination Site

Examinations are given at the sites listed below. Refer to the enclosed "Schedule of Electrical Board Meetings and Licensing Examinations" for examination dates. Please check below the site you wish to be examined at and indicate a preference of examination month. If approved for examination, an admission card will be mailed to you approximately 10 days prior to the examination date. If the examination you have selected is full, you will be scheduled for the next available examination at your preferred site.

<u>Preferred Site</u>	<u>Preferred Month</u>
<input type="checkbox"/> Lansing	_____
<input checked="" type="checkbox"/> Escanaba	July

If you have a disability and require an accommodation to take the examination, please submit written documentation from a professional (education professional, doctor, psychologist, psychiatrist) to certify that your disabling condition requires the requested test accommodation. Forms are available from this office.

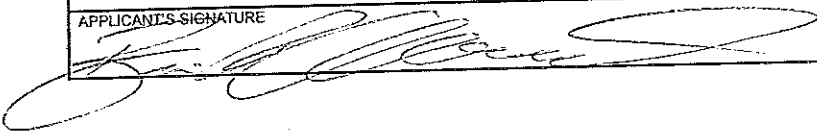
*This information is confidential. Disclosure of confidential information is protected by the Federal Privacy Act.

Experience Record (attach additional sheets if necessary)

NAME OF CURRENT EMPLOYER Cliffs Natural Resources		DATES OF EMPLOYMENT (MM/DD/YY) BEGINNING: 11-29-2010 ENDING: Present	
ADDRESS PO Box 2000	CITY Ishpeming	STATE Michigan	ZIP CODE 49849
TYPE OF WORK PERFORMED Industrial electrical maintenance. Motor control and high voltage troubleshooting. Construction projects.			
NAME OF EMPLOYER IBEW Local 150		DATES OF EMPLOYMENT (MM/DD/YY) BEGINNING: June 1994 ENDING: 11-29-2010	
ADDRESS 31290 N. US Highway 45	CITY Libertyville	STATE Illinois	ZIP CODE 60048
TYPE OF WORK PERFORMED Residential, commercial, and industrial electrical construction.			

Certification and Signature of Applicant

I certify the information provided is true and accurate to the best of my ability and I have the experience required for this examination.
I further understand fraud or deceit in obtaining a license is grounds for administrative action in accordance with the act.


APPLICANT'S SIGNATURE 	DATE 4-22-2013
------------------------------------------------------------------------------------------------------------	--------------------------

Agency Use Only

Approved for Exam ☐ Yes ☐ No

Date of Exam	Score	Absent	Date of Exam	Score	Absent

Validation Area

 04/24/13
CHK#: 1341 Amt: \$100.00
ID: BRIAN ACKLAND

Date Approved by EAB _____

RECEIVED
APR 24 2013
BRIAN ACKLAND



MICHIGAN OPERATIONS
Managed by The Cleveland-Cliffs Iron Company
PO Box 2000, Ishpeming, MI 49849-0901
P 906.475.3600 F 906.475.3777 cliffsnaturalresources.com

April 12, 2013

To Whom It May Concern:

Brian Ackland was hired at Cliffs Natural Resources on November 29, 2010 as an Electrician. He has worked as an electrician for 5,662.25 hours from 11/29/10 through 4/12/13. He currently works under Master Electrician Jack Olson, license # 6208552, expiration 12/31/13.

Sincerely,

Michelle Maniko, PHR
HR Representative

Jack Olson
Supervisor Electrical

LISA TORRE
NOTARY PUBLIC, STATE OF MI
COUNTY OF MARQUETTE
MY COMMISSION EXPIRES Aug 10, 2014
CITY OF MARQUETTE

RECEIVED

APR 24 2013

CLIFFS
NATURAL RESOURCES



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVE ARWOOD
DIRECTOR

April 30, 2013

Brian P Ackland
[REDACTED]
[REDACTED]

Dear Mr. Ackland:

Your application for the July journeyman electrical examination has been received by our office. In accordance with 1956 PA 217 MCL section 338.883a and the Electrical Administrative Board General Rule R338.1006a, out of state work experience has to be reviewed by the Electrical Administrative Board.

For the board to properly review your application please provide the following information:

A person who is licensed as a master or journeyman electrician in another state or country may qualify for examination upon a determination by the board that the license was obtained by the person through substantially the same or equal requirements as those of the state of Michigan.

1. Provide a signed notarized letter from the IBEW documenting 8000 hours over a period of not less than four years, under the supervision of a licensed master electrician. Letter must show the beginning and ending dates (month, day, year) of employment and total number of hours worked. Also, needs to verify the electrical contractor's license that provided your employment and the qualifying master electrician's license.
2. Documentation stating how long the contractor and master have been licensed.
3. A copy of the licensing requirements for the city, township, village, county, state or country that issued the license for the master electrician that supervised you.

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Brian P Ackland
April 30, 2013
Page 2

4. A copy of the license requirements for the city, township, village, county, state or country that issued the license for the contractor who provided your employment.

Please provide our office with the additional information or if you do not wish to have your exam application presented to the Electrical Administrative Board, please send us a letter requesting your application be removed from the board meeting. Return a copy of this letter along with additional information to LARA, Electrical Division, PO Box 30254, Lansing MI 48909.

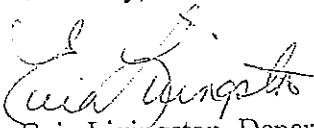
You will need to submit any additional information or letters to our office by July 1, 2013.

If all the additional information requested is received and your application is complete, then your application will be presented to the Electrical Administrative Board on August 2013. You will receive a notice of hearing 10 days prior to the board meeting.

If you are unable to provide the additional information or do not wish to have your application presented to the Electrical Administrative Board, you will be ineligible for the examination and any fees paid will be forfeited as outlined in Rule 338.1002a of the General Electrical Administrative Board Rules.

Please contact the Electrical Division at 517-241-9320 if you have any questions.

Sincerely,



Evie Livingston, Departmental Technician
Electrical Division



IBEW

INTERNATIONAL BROTHERHOOD
OF ELECTRICAL WORKERS
LOCAL UNION 150 AFL-CIO

150-1

May 8, 2013

Michigan Department of Consumer
And Industry Services
Bureau of Construction Codes
P.O. Box 30255
Lansing, MI 48909

RECEIVED

MAY 13 2013

ELECTRICAL
DIVISION

To Whom It May Concern:

Our records indicate that Brian Ackland has worked at least 17 years and a total of 29,422 hours. Mr. Ackland was initiated into IBEW Local 150 residential apprenticeship on August 3, 1994, and upgraded to the Inside Apprenticeship on May 14, 2002, and has worked through IBEW Local 150 during the period of August 3, 1994 through November 22, 2007. Mr. Ackland is a member of IBEW Local 150.

Mr. Ackland has completed 5 years of apprenticeship at the Lake County JATC.

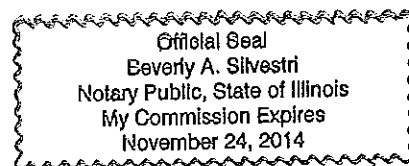
If further information is needed regarding this member, please feel free to contact this office.

Sincerely,

Donald J. Carlson
Business Manager

Dennis Malec
Training Director, JATC

Sworn to and subscribed before me this 8th day of May, 2013



Brian Ackland has worked for the following companies:

Gibson Electric. 6/20/1994 – 2/23/1995

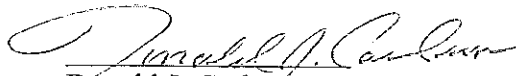
All Line Electric 6/26/1995 – 12/29/2000

Nu-Line Electric 12/29/2000 - 8/29/2005

L. E. Tech Electric 9/9/2005 – 11/22/2010

All contractors are signatory with IBEW Local 150.

Should you have any questions, please contact me at 847-680-1504



Donald J. Carlson
Business Manager

RECEIVED

11/11/10

OFFICE
11/11/10



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVE ARWOOD
DIRECTOR

August 22, 2013

E-13-40

TO: Members of the State Electrical Administrative Board
FROM: Dan O'Donnell, Chief, Electrical Division
SUBJECT: Journeyman electrician examination application

APPLICANT REPRESENTATIVE:

Ionaton Bogde

PROJECT:

N/A

AUTHORITY:

The Michigan Electrical Administrative Act, 1956 PA 217 of the Michigan Compiled Laws.

The Electrical Administrative Board General Rules

REQUEST:

Request to petition the Electrical Administrative Board to sit for the journeyman electrician examination.

APPLICABLE RULE:

1956 PA 217, MCL 338.883a Sec. 3a. (c), MCL 338.883d Sec. 3d. (1), (a), (b), (c), (d), Administrative Board General Rules R338.1005a Rule 5a. (1), (2), (3), R338.1006a Rule 6a (1), (3), (4).

FINDINGS:

Mr. Bogde submitted an application to the Electrical Division to sit for the journeyman electrician examination. The information submitted by Mr. Bogde indicates that he has

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attained 6521 hours of electrical experience working under the direction of a licensed electrical contractor in the State of Florida. Mr. Bogde's documents also indicate that he has attained 3680 hours of electrical experience under the supervision of a licensed master electrician and licensed electrical contractor in the State of Michigan.

RECOMMENDATION:

In accordance with the acts and rules listed above staff concludes that Mr. Bogde meets the requirements to sit for the State of Michigan journeyman electrician examination and recommends that the board approve his application.



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVE ARWOOD
DIRECTOR

Date Mailed from BCC: 8/6/2013

Ionaton Bogde
[REDACTED]
[REDACTED]

Document E-13-40
Exam Applicant Review

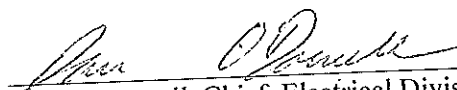
NOTICE OF MICHIGAN ADMINISTRATIVE ELECTRICAL BOARD MEETING

You are hereby notified that in accordance with the Administrative Procedures Act, 1969 PA 306, MCL 24.201 *et seq.*, and the Electrical Administrative Act being 1956 PA 217 MCL 338.881 *et seq.*, you are scheduled to appear before the Michigan Electrical Administrative Board on:

Date: August 22, 2013
Time: 9:30 a.m.
Location: Department of Licensing and Regulatory Affairs
Bureau of Construction Codes
2501 Woodlake Circle, Conference Room 3
Okemos, MI 48864

This notice is to provide you the opportunity to provide testimony to the board regarding your experience and eligibility to sit for the journeyman electrician exam. If you wish to offer any document(s) into evidence, you must file the documentation with the Electrical Division prior to the meeting or bring fifteen (15) copies of the information you wish to enter for the board's consideration. In the event you are unable to attend the meeting or you choose not to appear before the board, please contact the Electrical Division in advance of the meeting. In the event that you fail to appear at the meeting as scheduled, a decision may be entered in your absence.

Accompanying this notice is a report outlining our findings and recommendation based upon the Electrical Administrative Act being 1956 PA 217 MCL and the documentation you have provided at the time of mailing. Any questions regarding this matter may be directed to the Electrical Division at (517) 241-9320.


Dan O'Donnell, Chief, Electrical Division

8-6-2013
Date

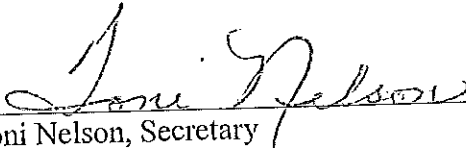
Providing for Michigan's Safety in the Built Environment

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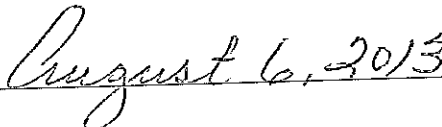
Exam Applicant Review
Ionatan Bogde
Document No. E-13-40
August 22, 2013
Page 2 of 4

PROOF OF SERVICE


I hereby state, to the best of my knowledge, information, and belief, that a copy of the foregoing document was served on this date upon all parties and/or attorneys of record in this matter by email to those parties employed by the State of Michigan and by first class mail to the remaining parties at their respective addresses as disclosed below.



Toni Nelson, Secretary
Electrical Division
Bureau of Construction Codes



Date

Ionatan Bogde


BCC Administration

Application for Journeyman Electrician Examination
Michigan Department of Licensing and Regulatory Affairs
Bureau of Construction Codes / Electrical Division
P.O. Box 30255, Lansing, MI 48909
517-241-9320
www.michigan.gov/bcc

103

Agency Use Only

Examination Fee: \$100.00 (nonrefundable)

Authority: 1956 PA 217 Completion: Mandatory Penalty: Examination will not be given	LARA is an equal opportunity employer/program. Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.
-------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Instructions: To be eligible to make application for and take this examination an applicant shall meet the following criteria:

- Complete and sign application. Type or print in ink.
- Application and fee must be received 20 business days prior to the examination date.
- Applicant must not be less than 20 years of age.
- Provide **original notarized** documentation from present or former employers to the effect that the applicant has not less than 8,000 hours of practical experience obtained over a period of not less than 4 years related to electrical construction or electrical maintenance of buildings under direct supervision of a person licensed pursuant to the act. Documentation must include the beginning (month, day, year) to ending (month, day, year) dates of employment. The 8,000 hours of practical work experience over 4 years must be attained prior to the deadline date for submitting documentation. **Notarized**, original documentation must be on employers' letterhead stationery and provide dates of employment and hours worked under licensed supervision and signed by the qualified master electrician.
- Enclose a check made payable to the **State of Michigan**.
- Mail completed application, required documents, and payment to the address listed above.

Information

Applicants are permitted one examination for the \$100.00 fee. Upon achieving a minimum passing score of 75% or higher, the applicant will be billed \$40.00 for the journeyman electrician license prior to issuance of the license. Failure of examination 2 times within 2 years requires 1 year waiting period from the date of the second failure and proof of successful completion of a course on code, electrical fundamentals or theory to be eligible for reexamination. Examination fee is forfeited upon failure to appear for scheduled examination unless written explanation is received within 10 business days of the examination.

Examination Eligibility of Applicants From Other States or Countries

A person who is licensed as a journeyman electrician in another state or country may qualify for examination upon determination by the board that the license was obtained by the person through substantially the same or equal requirements as those of the state of Michigan in accordance with the provisions of section 3a of the act.

Applicant Information

NAME (Last Name, First Name, Middle Initial) Bogde Jonatan (Jonathan)		DATE OF BIRTH [REDACTED]	LAST 4 DIGITS OF SOCIAL SECURITY NUMBER* XXX-XX-[REDACTED]
ADDRESS [REDACTED]	CITY [REDACTED]	TOWNSHIP [REDACTED]	
COUNTY [REDACTED]	STATE Michigan	ZIP CODE [REDACTED]	TELEPHONE NUMBER (include Area Code) [REDACTED]

Have you previously taken this examination? ☐ Yes ☒ No

If examination was not administered by the State Electrical Division provide the licensing entity:

City of _____ Township of _____

Examination Site

Examinations are given at the sites listed below. Refer to the enclosed "Schedule of Electrical Board Meetings and Licensing Examinations" for examination dates. Please check below the site you wish to be examined at and indicate a preference of examination month. If approved for examination, an admission card will be mailed to you approximately 10 days prior to the examination date. If the examination you have selected is full, you will be scheduled for the next available examination at your preferred site.

Preferred Site

☒ Lansing

☐ Escanaba

Preferred Month

May 30, 2013

If you have a disability and require an accommodation to take the examination, please submit written documentation from a professional (education professional, doctor, psychologist, psychiatrist) to certify that your disabling condition requires the requested test accommodation. Forms are available from this office.

*This information is confidential. Disclosure of confidential information is protected by the Federal Privacy Act.

Experience Record (attach additional sheets if necessary)

2.5
Years

NAME OF CURRENT EMPLOYER LEE Industrial Contracting		DATES OF EMPLOYMENT (MM/DD/YY) BEGINNING: 5-10-10 → ENDING: To Present	
ADDRESS 631 Oakland Ave	CITY Pontiac	STATE Michigan	ZIP CODE 48342

TYPE OF WORK PERFORMED Pipe bending & Install - Wire Pulling - Wiring - Wire Termination - Service Installations - Job Layout - Maintenance - Industrial			
------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--	--	--

4.5
Years

NAME OF EMPLOYER Hayden Electric <small>www.hayden-electric.com</small>		DATES OF EMPLOYMENT (MM/DD/YY) BEGINNING: 6-12-06 → ENDING: 9-24-10	
ADDRESS 561 S.W. 9th Terrace	CITY Pompano Beach	STATE Florida	ZIP CODE 33069

TYPE OF WORK PERFORMED Bend Pipe & Install - Wiring - Wire Pulling - Fixtures Installed - Read Blue Prints - Some Trouble Shooting - Some Commercial - Residential & Construction			
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--	--	--

Certification and Signature of Applicant

I certify the information provided is true and accurate to the best of my ability and I have the experience required for this examination.
I further understand fraud or deceit in obtaining a license is grounds for administrative action in accordance with the act.

APPLICANT'S SIGNATURE <i>Jonathan Boyde</i>	DATE 4-21-2013
------------------------------------------------	--------------------------

Agency Use Only

Approved for Exam <input type="checkbox"/> Yes <input type="checkbox"/> No					
Date of Exam	Score	Absent	Date of Exam	Score	Absent

Validation Area

04/24/13
 EXAM # 145 FEE \$100.00
 DATE 4/24/13

Date Approved by EAB _____

RECEIVED
 APR 24 2013
 ELECTRICAL

HAYDEN ELECTRIC, INC.

561 S.W. 9TH Terrace

Pompano Beach, Florida 33069

Telephone#: 954-946-9220 Fax#: 954-946-9224

State Certified EC-13001266

Serving South Florida Since 1969

January 18, 2013

Mr. Ionatan Bogde

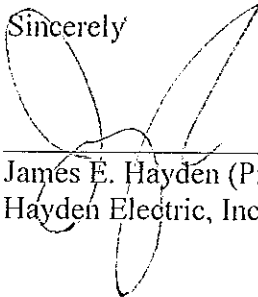
[REDACTED]

To Whom It May Concern

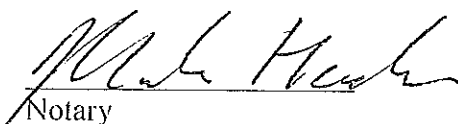
Mr. Ionatan Bogde was employed by Hayden Electric, Inc. from June 12, 2006 thru September 24, 2010. Mr. Ionatan accumulated hours are 6277 straight time and 244 hours overtime for a total of 6521 hours while employed by Hayden Electric, Inc. a Florida state licenced Electrical Contractor under Licence # EC13001266.

During Mr Ionatan apprenticeship training at Hayden Electric his responsibilities included wiring for Office Buildouts, Restaurants, Custom Homes, Service work, Including panel changes, installing conduit and wiring, Installing switchgear, Pulling feeders, Trimming of devices, Motor control, Fire alarm, and slab work from start to finish. He was also schooled for 4 years thru the ABC Apprentice Program.

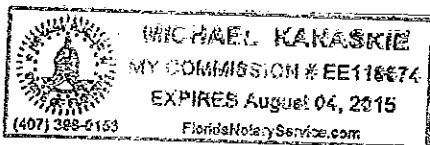
Sincerely



James E. Hayden (President)
Hayden Electric, Inc.



Notary



RECEIVED
JAN 14 2013
NOTARIAL
STAMP



TURN-KEY SOLUTIONS FOR PLANT PROJECTS

631 Oakland Avenue * Pontiac, Michigan 48342 * (248) 332-4646 * Fax (248) 332-9805 * www.leecontracting.com

April 9, 2013

Ionatan Bogde



To Whom It May Concern:

Ionatan Bogde has been employed by Lee Contracting, Inc. from May 10, 2011 through the present. Ionatan's straight time hours are 3680.25, working under Edward Lee, Master Electrician, License #6210709.

During Ionatan's apprenticeship at Lee Contracting, Inc. his responsibilities included pipe bending, wire pulling, service installations, wiring, wire termination, and control wiring.

Sincerely,

A handwritten signature in dark ink, appearing to read "E. Lee", written over the word "Sincerely,".

Edward Lee
President

RECEIVED

APR 18 2013

TECHNICAL
DIVISION

A handwritten signature in dark ink, appearing to read "Sandra V. Kischuk", written above the printed name.

SANDRA V. KISCHUK
Notary Public, Macomb County, MI
My Commission Expires 6/30/2019



STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

ELECTRICAL CONTRACTORS LICENSING BOARD
1940 NORTH MONROE STREET
TALLAHASSEE FL 32399-0783

(850) 487-1395

HAYDEN, JAMES E
HAYDEN ELECTRIC INC
561 SW 9 TERRACE
POMPAHO BCH

FL 33069

Congratulations! With this license you become one of the nearly one million Floridians licensed by the Department of Business and Professional Regulation. Our professionals and businesses range from architects to yacht brokers, from boxers to barbeque restaurants, and they keep Florida's economy strong.

Every day we work to improve the way we do business in order to serve you better. For information about our services, please log onto www.myfloridalicense.com. There you can find more information about our divisions and the regulations that impact you, subscribe to department newsletters and learn more about the Department's initiatives.

Our mission at the Department is: License Efficiently, Regulate Fairly. We constantly strive to serve you better so that you can serve your customers. Thank you for doing business in Florida, and congratulations on your new license!



STATE OF FLORIDA AC# 6283784
DEPARTMENT OF BUSINESS AND
PROFESSIONAL REGULATION

EC13001266 08/20/12 120077266

CERTIFIED ELECTRICAL CONTRACTOR
HAYDEN, JAMES E
HAYDEN ELECTRIC INC

IS CERTIFIED under the provisions of Ch.489 FS
Expiration date: AUG 31, 2014 L12082002331

DETACH HERE

THIS DOCUMENT HAS A COLORED BACKGROUND - MICROPRINTING - LINEMARK - PATENTED PAPER

C#6283784

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
ELECTRICAL CONTRACTORS LICENSING BOARD

SEQ# L12082002331

DATE	BATCH NUMBER	LICENSE NBR
08/20/2012	120077266	EC13001266

The ELECTRICAL CONTRACTOR
Named below IS CERTIFIED
Under the provisions of Chapter 489 FS
Expiration date: AUG 31, 2014

HAYDEN, JAMES E
HAYDEN ELECTRIC INC
561 SW 9 TERRACE
POMPAHO BCH

FL 33069

RICK SCOTT
GOVERNOR

KEN LAWSON
SECRETARY

Select Year: 2012 ▾ Go

The 2012 Florida Statutes

Title XXXII

Chapter 489

[View Entire Chapter](#)

REGULATION OF PROFESSIONS AND OCCUPATIONS CONTRACTING

489.511 Certification; application; examinations; endorsement. —

(1)(a) Any person who is at least 18 years of age may take the certification examination.

(b) Any person desiring to be certified as a contractor shall apply to the department in writing and must meet the following criteria:

1. Be of good moral character;
2. Pass the certification examination, achieving a passing grade as established by board rule; and
3. Meet eligibility requirements according to one of the following criteria:
 - a. Has, within the 6 years immediately preceding the filing of the application, at least 3 years' proven management experience in the trade or education equivalent thereto, or a combination thereof, but not more than one-half of such experience may be educational equivalent;
 - b. Has, within the 8 years immediately preceding the filing of the application, at least 4 years' experience as a supervisor or contractor in the trade for which he or she is making application;
 - c. Has, within the 12 years immediately preceding the filing of the application, at least 6 years of comprehensive training, technical education, or supervisory experience associated with an electrical or alarm system contracting business, or at least 6 years of technical experience in electrical or alarm system work with the Armed Forces or a governmental entity;
 - d. Has, within the 12 years immediately preceding the filing of the application, been licensed for 3 years as a professional engineer who is qualified by education, training, or experience to practice electrical engineering; or
 - e. Has any combination of qualifications under sub-subparagraphs a.-c. totaling 6 years of experience.

(c) For purposes of this subsection, "supervisor" means a person having the experience gained while having the general duty of overseeing the technical duties of the trade, provided that such experience is gained by a person who is able to perform the technical duties of the trade without supervision.

(d) For purposes of this subsection, at least 40 percent of the work experience for an alarm system contractor must be in the types of fire alarm systems typically used in a commercial setting.

(2) The board may determine by rule the number of times per year the applicant may take the examination and after three unsuccessful attempts may require the applicant to complete additional college-level or technical education courses in the areas of deficiency, as determined by the board, as a condition of future eligibility to take the examination.

(3)(a) "Good moral character" means a personal history of honesty, fairness, and respect for the rights of others and for laws of this state and nation.

(b) The board may determine that an individual applying for certification is ineligible for failure to satisfy

the requirement of good moral character only if:

1. There is a substantial connection between the lack of good moral character of the individual and the professional responsibilities of a certified contractor; and

2. The finding by the board of lack of good moral character is supported by clear and convincing evidence.

- (c) When an individual is found to be unqualified for certification because of a lack of good moral character, the board shall furnish such individual a statement containing the findings of the board, a complete record of the evidence upon which the determination was based, and a notice of the rights of the individual to a rehearing and appeal.

- (4) The board shall, by rule, designate those types of specialty electrical or alarm system contractors who may be certified under this part. The limit of the scope of work and responsibility of a certified specialty contractor shall be established by board rule. A certified specialty contractor category exists as an optional statewide licensing category. Qualification for certification in a specialty category created by rule shall be the same as set forth in paragraph (1)(b). The existence of a specialty category created by rule does not itself create any licensing requirement; however, neither does its optional nature remove any licensure requirement established elsewhere in this part.

- (5) The board shall certify as qualified for certification by endorsement any individual applying for certification who:

- (a) Meets the requirements for certification as set forth in this section; has passed a national, regional, state, or United States territorial licensing examination that is substantially equivalent to the examination required by this part; and has satisfied the requirements set forth in s. 489.521; or

- (b) Holds a valid license to practice electrical or alarm system contracting issued by another state or territory of the United States, if the criteria for issuance of such license was substantially equivalent to the certification criteria that existed in this state at the time the certificate was issued.

- (6) Upon the issuance of a certificate, any previously issued registered licenses for the classification in which the certification is issued are rendered void.

History.—ss. 5, 17, ch. 79-272; ss. 2, 3, ch. 81-318; s. 4, ch. 85-290; ss. 6, 14, ch. 87-254; ss. 5, 21, 23, ch. 88-149; s. 6, ch. 89-343; s. 11, ch. 91-119; s. 4, ch. 91-429; s. 66, ch. 92-149; s. 22, ch. 93-166; s. 273, ch. 94-119; s. 491, ch. 97-103; s. 39, ch. 98-419; s. 24, ch. 99-254; s. 31, ch. 2008-240.

Select Year: 2012

The 2012 Florida Statutes

Title XXXII

Chapter 480

View Entire Chapter

CHAPTER 480. CONTRACTORS

CONTRACTING

480.042 Registration requirements.

(1) Any person engaged in the business of contracting in the state shall register in the proper classification unless he or she is exempt. Any person desiring to be a registered contractor shall apply to the department for registration and must:

(a) Be at least 18 years old;

(b) Be of good moral character; and

(c) Meet the registration requirements according to the following criteria:

1. As used in this subsection, the term "good moral character" means a personal history of honesty, fairness, and respect for the rights of others and for state and federal law.

2. The board may determine that an individual applying for registration is ineligible and is unable to satisfy the requirement of good moral character only if:

a. There is a substantial connection between the lack of good moral character of the individual and the professional responsibility of a registered contractor; and

b. The finding by the board of lack of good moral character is supported by clear and convincing evidence.

3. When a finding of lack of good moral character is supported by clear and convincing evidence, the board must furnish each individual a statement containing the findings of the board, a complete record of evidence upon which the determination was based, and a notice of the right of the individual to file a petition for review.

(2) Any contractor may be registered to contract in the area specified in each registration, or the contractor may be registered to contract in all areas.

(3) To be registered as an electrical contractor, an alarm system contractor, an alarm system contractor II, or a security system contractor, the applicant shall file with the department a certificate of competency issued by any municipality, or county, or the state for the type of work for which registration is sought. The certificate shall be the highest certificate or license issued by the municipality, county, or state for the type of work for which registration is sought, and shall be designed to demonstrate and acknowledge relevant to the technical performance of the professional responsibility of the contractor for the type of work for which registration is sought.

(4) Any person wishing to work in any field, jurisdiction that does not require an examination for licensure, and applicant for registration shall file with the department a certificate of competency issued by the municipality, county, or state for the type of work for which registration is sought.

(5) Any person who is not a resident of the state and who is not a resident of the state shall file with the department a certificate of competency issued by the municipality, county, or state for the type of work for which registration is sought.

(6) Any person who is not a resident of the state and who is not a resident of the state shall file with the department a certificate of competency issued by the municipality, county, or state for the type of work for which registration is sought.

(7) Any person who is not a resident of the state and who is not a resident of the state shall file with the department a certificate of competency issued by the municipality, county, or state for the type of work for which registration is sought.

(4) The name or names of the architect, engineer, interior designer, landscape architect, or other professional registration issued by the department.

(5) The type of work performed by the registrant, including any special license or license for other areas and types of work or unless the registrant shall comply with any local requirements of other areas and shall file a response with the department regarding the same. The department may require the registrant to provide additional information regarding the same. The department may also require the registrant to provide additional information regarding the same. The department may also require the registrant to provide additional information regarding the same.

(6) The local jurisdiction and responsible for providing the remaining information to the board members. The board members shall be responsible for providing the remaining information to the board members. The board members shall be responsible for providing the remaining information to the board members.

- (a) The board shall be responsible for providing the remaining information to the board members.
- (b) Code violation information pursuant to s. 888.01.
- (c) Other information.

The board shall maintain and disseminate information as it is provided to the board and shall make the information available through the automated information system provided pursuant to s. 888.01. The board shall maintain and disseminate information as it is provided to the board and shall make the information available through the automated information system provided pursuant to s. 888.01.

Copyright © 2013 by the Florida Legislature. All rights reserved.



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVE ARWOOD
DIRECTOR

August 22, 2013

E-13-41

TO: Members of the State Electrical Administrative Board
FROM: Dan O'Donnell, Chief, Electrical Division
SUBJECT: Journeyman electrician examination application

APPLICANT REPRESENTATIVE:

Glen M. Bos

PROJECT:

N/A

AUTHORITY:

The Michigan Electrical Administrative Act, 1956 PA 217 of the Michigan Compiled Laws.

The Electrical Administrative Board General Rules

REQUEST:

Request to petition the Electrical Administrative Board to sit for the journeyman electrician examination.

APPLICABLE RULE:

1956 PA 217, MCL 338.883a Sec. 3a. (c), MCL 338.883d Sec. 3d. (1), (a), (b), (c), (d), Administrative Board General Rules R338.1005a Rule 5a. (1), (2), (3), R338.1006a Rule 6a (1), (3), (4).

FINDINGS:

Mr. Bos submitted an application to sit for the journeyman electrician examination. The information submitted by Mr. Bos indicates that he completed an electrical

Providing for Michigan's Safety in the Built Environment

apprenticeship in Alberta, Canada in July of 1984 and received his Certificate of Proficiency from Alberta Manpower. Mr. Bos included a notarized statement from a licensed electrical contractor from the State of Florida indicating that had work a minimum of 2000 hours per year between the years 2000 and 2005. Mr. Bos qualified for and received an electrical contractors license in the State of Florida.

RECOMMENDATION:

In accordance with the acts and rules listed above staff concludes that Mr. Bos meets the requirements to sit for the State of Michigan journeyman electrician examination and recommends that the board approve his application.



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVE ARWOOD
DIRECTOR

Date Mailed from BCC: 8/6/2013

Glen M. Bos
[REDACTED]
[REDACTED]

Document E-13-41
Exam Applicant Review

NOTICE OF MICHIGAN ADMINISTRATIVE ELECTRICAL BOARD MEETING

You are hereby notified that in accordance with the Administrative Procedures Act, 1969 PA 306, MCL 24.201 *et seq.*, and the Electrical Administrative Act being 1956 PA 217 MCL 338.881 *et seq.*, you are scheduled to appear before the Michigan Electrical Administrative Board on:

Date: August 22, 2013
Time: 9:30 a.m.
Location: Department of Licensing and Regulatory Affairs
Bureau of Codes
2501 Woodlake Circle, Conference Room 3
Okemos, MI 48864

This notice is to provide you the opportunity to provide testimony to the board regarding your experience and eligibility to sit for the journeyman electrician exam. If you wish to offer any document(s) into evidence, you must file the documentation with the Electrical Division prior to the meeting or bring fifteen (15) copies of the information you wish to enter for the board's consideration. In the event you are unable to attend the meeting or you choose not to appear before the board, please contact the Electrical Division in advance of the meeting. In the event that you fail to appear at the meeting as scheduled, a decision may be entered in your absence.

Accompanying this notice is a report outlining our findings and recommendation based upon the Electrical Administrative Act being 1956 PA 217 MCL and the documentation you have provided at the time of mailing. Any questions regarding this matter may be directed to the Electrical Division at (517) 241-9320.

Dan O'Donnell
Dan O'Donnell, Chief, Electrical Division

8-6-2013
Date


Providing for Michigan's Safety in the Built Environment

LARA is an equal opportunity employer
Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.
P.O. BOX 30254 • LANSING, MICHIGAN 48909
www.michigan.gov/bcc • Telephone (517) 241-9302 • Fax (517) 241-9570

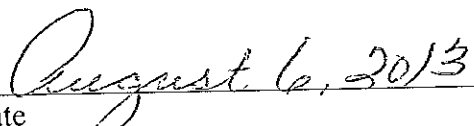
Exam Applicant Review
Glen M. Bos
Document No. E-13-41
August 22, 2013
Page 2 of 4

PROOF OF SERVICE

I hereby state, to the best of my knowledge, information, and belief, that a copy of the foregoing document was served on this date upon all parties and/or attorneys of record in this matter by email to those parties employed by the State of Michigan and by first class mail to the remaining parties at their respective addresses as disclosed below.



Toni Nelson, Secretary
Electrical Division
Bureau of Construction Codes



Date

Glen M. Bos


BCC Administration

Application for Journeyman Electrician Examination
Michigan Department of Licensing and Regulatory Affairs
Bureau of Construction Codes / Electrical Division
P.O. Box 30255, Lansing, MI 48909
517-241-9320
www.michigan.gov/bcc

103

Agency Use Only

Examination Fee: \$100.00 (nonrefundable)

Authority: 1956 PA 217
Completion: Mandatory
Penalty: Examination will not be given

LARA is an equal opportunity employer/program. Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.

Instructions: To be eligible to make application for and take this examination an applicant shall meet the following criteria:

- Complete and sign application. Type or print in ink.
- Application and fee must be received 20 business days prior to the examination date.
- Applicant must not be less than 20 years of age.
- Provide **original notarized** documentation from present or former employers to the effect that the applicant has not less than 8,000 hours of practical experience obtained over a period of not less than 4 years related to electrical construction or electrical maintenance of buildings under direct supervision of a person licensed pursuant to the act. Documentation must include the beginning (month, day, year) to ending (month, day, year) dates of employment. The 8,000 hours of practical work experience over 4 years must be attained prior to the deadline date for submitting documentation. **Notarized**, original documentation must be on employers' letterhead stationery and provide dates of employment and hours worked under licensed supervision and signed by the qualified master electrician.
- Enclose a check made payable to the **State of Michigan**.
- Mail completed application, required documents, and payment to the address listed above.

Information

Applicants are permitted one examination for the \$100.00 fee. Upon achieving a minimum passing score of 75% or higher, the applicant will be billed \$40.00 for the journeyman electrician license prior to issuance of the license. Failure of examination 2 times within 2 years requires 1 year waiting period from the date of the second failure and proof of successful completion of a course on code, electrical fundamentals or theory to be eligible for reexamination. Examination fee is forfeited upon failure to appear for scheduled examination unless written explanation is received within 10 business days of the examination.

Examination Eligibility of Applicants From Other States or Countries

A person who is licensed as a journeyman electrician in another state or country may qualify for examination upon determination by the board that the license was obtained by the person through substantially the same or equal requirements as those of the state of Michigan in accordance with the provisions of section 3a of the act.

Applicant Information

NAME (Last Name, First Name, Middle Initial) Bos GLEN M		DATE OF BIRTH [REDACTED]	LAST 4 DIGITS OF SOCIAL SECURITY NUMBER* XXX-XX-[REDACTED]
ADDRESS [REDACTED]	CITY [REDACTED]	TOWNSHIP [REDACTED] ?	
COUNTY [REDACTED]	STATE Michigan	ZIP CODE [REDACTED]	TELEPHONE NUMBER (Include Area Code) [REDACTED]

Have you previously taken this examination? ☐ Yes ☒ No

If examination was not administered by the State Electrical Division provide the licensing entity:

City of _____ Township of _____

Examination Site

Examinations are given at the sites listed below. Refer to the enclosed "Schedule of Electrical Board Meetings and Licensing Examinations" for examination dates. Please check below the site you wish to be examined at and indicate a preference of examination month. If approved for examination, an admission card will be mailed to you approximately 10 days prior to the examination date. If the examination you have selected is full, you will be scheduled for the next available examination at your preferred site.

Preferred Site

☒ Lansing

☐ Escanaba


Preferred Month

May

If you have a disability and require an accommodation to take the examination, please submit written documentation from a professional (education professional, doctor, psychologist, psychiatrist) to certify that your disabling condition requires the requested test accommodation. Forms are available from this office.

*This information is confidential. Disclosure of confidential information is protected by the Federal Privacy Act.

Experience Record (attach additional sheets if necessary)

NAME OF CURRENT EMPLOYER Superior Power Solutions		DATES OF EMPLOYMENT (MM/DD/YY) BEGINNING: April 15 2015 ENDING: Present	
ADDRESS Tampa	CITY Tampa	STATE Florida	ZIP CODE 33601
TYPE OF WORK PERFORMED Project Manager for a Juice Plant expansion/pipe wire, controls Motors Driver & Gear.			
NAME OF EMPLOYER Bosterchian		DATES OF EMPLOYMENT (MM/DD/YY) BEGINNING: June 2005 ENDING: April 2012	
ADDRESS 5525 Yellowknife Circle	CITY Wimbourne	STATE Florida	ZIP CODE 33599
TYPE OF WORK PERFORMED Sales, estimating, managing, hands on work. Retail office/warehouse industrial pipe wire controls. Data F/A			
Certification and Signature of Applicant			
I certify the information provided is true and accurate to the best of my ability and I have the experience required for this examination. I further understand fraud or deceit in obtaining a license is grounds for administrative action in accordance with the act.			
APPLICANT'S SIGNATURE 			DATE Feb 21/13

Agency Use Only

Approved for Exam ☐ Yes ☐ No

Date of Exam	Score	Absent	Date of Exam	Score	Absent

Date Approved by EAB _____

Validation Area

[REDACTED] 03/04/13
 CDR: 989 Amt: 1100.00
 TO: GLEN H DGS

RECEIVED
 MAR 17 2013
 TECHNICAL
 SECTION

AC#

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
ELECTRICAL CONTRACTORS LICENSING BOARD

SEQ# L08090900367

DATE	BATCHNUMBER	LICENSE NBR
09/09/2008	0000000000	ER13013216

The ELECTRICAL CONTRACTOR
Named below HAS REGISTERED
Under the provisions of Chapter 489 FS.
Expiration date: AUG 31, 2010
(INDIVIDUAL MUST MEET ALL LOCAL LICENSING
REQUIREMENTS PRIOR TO CONTRACTING IN ANY AREA)

BOS, GLEN MILES
BOSTECH INC
3303 YELLOWKNIFE CIRCLE
WIMAUMA FL 33598

CHARLIE CRIST
GOVERNOR

CHARLES W. DRAGO
SECRETARY

DISPLAY AS REQUIRED BY LAW

AC#

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
ELECTRICAL CONTRACTORS LICENSING BOARD

SEQ# L10083105063

DATE	BATCHNUMBER	LICENSE NBR
08/31/2010	100085898	ER13013216

The ELECTRICAL CONTRACTOR
Named below HAS REGISTERED
Under the provisions of Chapter 489 FS.
Expiration date: AUG 31, 2012
(INDIVIDUAL MUST MEET ALL LOCAL LICENSING
REQUIREMENTS PRIOR TO CONTRACTING IN ANY AREA)

BOS, GLEN MILES
BOSTECH INC
3303 YELLOWKNIFE CIRCLE
WIMAUMA FL 33598

CHARLIE CRIST
GOVERNOR

CHARLIE LIEM
SECRETARY

DISPLAY AS REQUIRED BY LAW

AC# 2743801

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
ELECTRICAL CONTRACTORS LICENSING BOARD

SEQ# L06082303256

DATE	BATCHNUMBER	LICENSE NBR
08/23/2006	060130345	ER13013216

The ELECTRICAL CONTRACTOR
Named below HAS REGISTERED
Under the provisions of Chapter 489 FS.
Expiration date: AUG 31, 2008
(INDIVIDUAL MUST MEET ALL LOCAL LICENSING
REQUIREMENTS PRIOR TO CONTRACTING IN ANY AREA)

BOS, GLEN MILES MR
BOSTECH INC
7622 HAMPSHIRE GARDEN PLACE
APOLLO BEACH FL 33572

JEB BUSH
GOVERNORSIMONE MARSTILLER
SECRETARY

DISPLAY AS REQUIRED BY LAW

AC# 2006791

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
ELECTRICAL CONTRACTORS LICENSING BOARD

SEQ# L05052000165

DATE	BATCHNUMBER	LICENSE NBR
05/20/2005	040877899	ER13013216

The ELECTRICAL CONTRACTOR
Named below HAS REGISTERED
Under the provisions of Chapter 489 FS.
Expiration date: AUG 31, 2006
(INDIVIDUAL MUST MEET ALL LOCAL LICENSING
REQUIREMENTS PRIOR TO CONTRACTING IN ANY AREA)

BOS, GLEN MILES
BOSTECH INC
7622 HAMPSHIRE GARDEN PLACE
APOLLO BEACH FL 33572

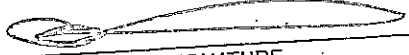
JEB BUSH
GOVERNORDIANE CARR
SECRETARY

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND
PROFESSIONAL REGULATION

ER13013216 08/31/10 100085898

REG ELECTRICAL CONTRACTOR
BOS, GLEN MILES
BOSTECH INC
(INDIVIDUAL MUST MEET ALL LOCAL
LICENSING REQUIREMENTS PRIOR
TO CONTRACTING IN ANY AREA)

HAS REGISTERED under the provisions of Ch.489
Expiration date: AUG 31, 2012 L10083105063


SIGNATURE

RECEIVED
MAR 07 2010
ELECTRICAL
DIVISION

Exam Review

Requirements to Obtaining your License.

An **Unlimited Electrical Contractor License** is required in Florida for any job that involves the trade. Anyone seeking to become a residential electrical contractor in Florida is required to sit for two exams, business and finance and the trade.

Applicants are required to provide a credit report and financial statement that is no more than 12 months old. A **net worth** of \$2,500 - \$20,000 (depending on classification) is required.

The minimum **Certification of Insurance** coverage limits are \$300,000 per occurrence, \$500,000 property damage, \$100,000 per person; or \$800,000 combined single limit. Unlimited electrical contractors are required to have a performance or payment bond in the amount of \$50,000 while specialty contractors are required to obtain a bond in the amount of \$10,000.

Applicants must be able to meet one of the following **experience requirement**:

- Must be licensed as an electrical professional engineer for three (3) years within the last 12 years; or
- Must have three (3) years of management experience in the trade within the last six (6) years immediately preceding the filing of the application; or
- Must have four (4) years of experience as a foreman, supervisor or contractor in the trade within the last eight (8) years immediately preceding the filing of the application; or
- Must have six (6) years of comprehensive training, technical education or broad experience associated with an electrical contracting business within the last 12 years immediately preceding the filing of the application; or
- Must have at least six (6) years of technical experience in electrical work with the Armed Forces or a governmental entity within the last 12 years immediately preceding the filing of the application; or
- Must have a combination of these qualifications totaling six (6) years of experience.
- The required experience must include at least 40% of work that is in 3-phase services.

Work that can be Done Under this License

An "unlimited electrical contractor" can install, maintain, alter, or repair any electrical equipment, control system, alarm system, or device that is attached to any building and includes the bidding and contracting for such work.

Applying to get your License

- Applications can be obtained from the Florida Construction Industry Licensing Board by calling 1-850-487-1395.
- The application fee when applying for initial licensure from May 1st of an EVEN YEAR - August 31st of an ODD YEAR is \$409.
- The application fee when applying for initial licensure from September 1st of an ODD YEAR through April 30th of an EVEN YEAR is \$309.

Reciprocity Agreements

Florida has no reciprocity agreements; however, does endorse certain examinations from California, Georgia, and North Carolina for electrical contractors in select categories. The endorsements from Georgia include alarm and specialty categories.

APPRENTICESHIP AND
TRADE CERTIFICATION
BRANCH



THIS IS TO CERTIFY THAT

Glen Miles BOS

HOLDS A CERTIFICATE OF
COMPLETION OF APPRENTICESHIP
FOR THE TRADE OF Electrician

CERT. No. AD3381 DATE July 25, 1984

FILE No. 03/06953 DIRECTOR [Signature]
(OVER)

APPRENTICESHIP AND
TRADE CERTIFICATION
BRANCH



THIS IS TO CERTIFY THAT

Glen Miles BOS

HOLDS A CERTIFICATE OF PROFICIENCY

AS A / AN Electrician

DATE July 25, 1984 No. CF9942

FILE 03/06953

(OVER)

DIRECTOR

AWARDED CERTIFICATE OF PROFICIENCY
CF9942



CONDITION(S) OF ISSUE

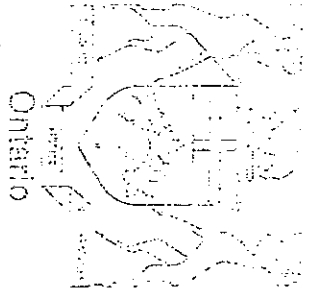
ON COMPLETION OF APPRENTICESHIP
AD3381, ALBERTA



RECEIVED

SEP 17 1984

ELECTRICAL
DIVISION



Certificate of Qualification Certificat de qualification

The Apprenticeship and Tradesmen's Qualification Act

This is to certify that
Nous attestons par les présentes que

GLEN MICES BOS

having complied with The Apprenticeship and Tradesmen's Qualification Act, and regulations is issued this certificate of qualification.

a satisfait aux exigences de la loi intitulée The Apprenticeship and Tradesmen's Qualification Act et des règlements; en toi de quoi, le présent certificat de qualification lui est décerné.

**ELECTRICIAN-CONSTRUCTION
& MAINTENANCE**



Minister of Skills Development
Ministre de la Formation professionnelle

[Signature of Gregory Robb]
[Signature of Glen Mices Bos]

Director of Apprenticeship
Directeur de l'apprentissage

Signature of Holder
Signature du titulaire

Date issued
Délivré le 10 MARCH 1987

Certificate No.
Certificat n° 179081

EFFECTIVE DATE : 18 DECEMBER 1986

RECEIVED

1986 DEC 18
1986 DEC 18

AD3381

CERTIFICATE

OF

COMPLETION OF APPRENTICESHIP

ISSUED UNDER THE PROVISIONS OF THE MANPOWER DEVELOPMENT ACT
PART 3 DIVISION 1

This is to certify that GLEN MILES BOS

has served as an apprentice in the trade of
ELECTRICIAN

and has achieved the standards established by the
Alberta Apprenticeship and Trade Certification Board
for that trade.

DATED AT EDMONTON, ALBERTA
THIS 25th DAY of JULY, 19 84

AWARDED CERTIFICATE OF PROFICIENCY # CF9942



[Signature]

D. W. BELL, Director of
Apprenticeship & Trade Certification

Alberta
MANPOWER

[Signature]
E. D. ISLEY, Minister of Manpower

ISSUED UNDER THE PROVISIONS OF THE MANPOWER DEVELOPMENT ACT
PART 3 DIVISION 3

THIS IS TO CERTIFY THAT

GLEN MILES BOS

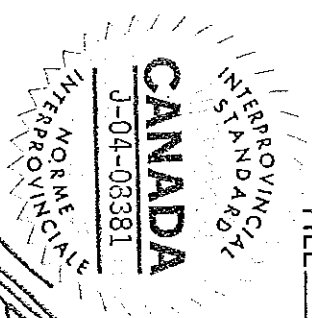
having satisfied the standards of the Alberta Apprenticeship and Trade Certification Board, is hereby granted this certificate and is authorized to engage in or follow the trade of
ELECTRICIAN in the province of Alberta.

This certificate shall continue in full force and effect unless cancelled or suspended by the Department as provided for in the act.

CONDITION(S) OF ISSUE ON COMPLETION OF APPRENTICESHIP # AD3381, ALBERTA

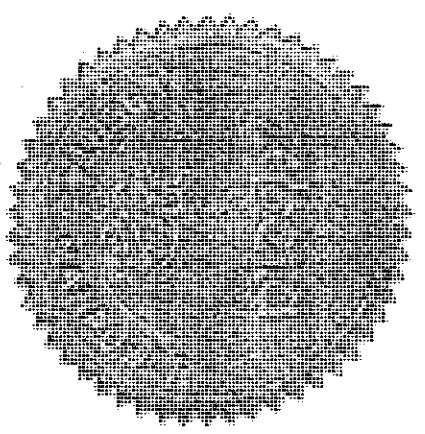
FILE 03/06953

DATE JULY 25th, 1984



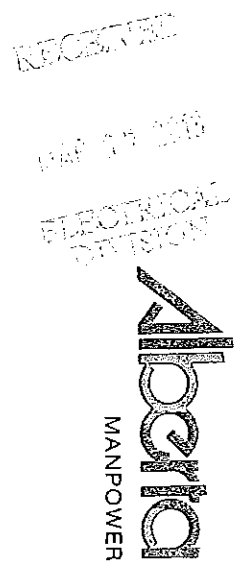
D. W. Bell

D. W. BELL, Director of
Apprenticeship & Trade Certification



Ernie Isley

E. D. ISLEY, Minister of Manpower



Apprenticeship and Industry Training

Electrician

Apprenticeship Course Outline

0307.2 (2007)

Government
of Alberta 



Apprenticeship and
Industry Training

ALBERTA EDUCATION CATALOGUING IN PUBLICATION DATA

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Apprenticeship

Apprenticeship is post-secondary education with a difference. Apprenticeship begins with finding an employer. Employers hire apprentices, pay their wages and provide on-the-job training and work experience. Approximately 80 per cent of an apprentice's time is spent on the job under the supervision of a certified journeyman or qualified tradesperson. The other 20 per cent involves technical training provided at, or through, a post-secondary institution – usually a college or technical institute.

To become certified journeymen, apprentices must learn theory and skills, and they must pass examinations. Requirements for certification—including the content and delivery of technical training—are developed and updated by the Alberta Apprenticeship and Industry Training Board on the recommendation of the Electrician Provincial Apprenticeship Committee.

The graduate of the Electrician apprenticeship program is a certified journeyman who will be able to:

- have a thorough knowledge and understanding of electrical theory and its application to lighting, power and control equipment
- layout and install the various electrical circuits in residential, commercial, industrial and institutional complexes and buildings
- implement the instructions given in plans and specifications pertaining to electrical installations
- be thoroughly familiar with the safety requirements for electrical installations
- be capable of trouble shooting and maintaining electrical systems and equipment
- competently use the test instruments and various tools necessary to perform tasks
- be familiar with the work of other tradespeople in the construction industry and with the different types of building construction
- perform assigned tasks in accordance with quality and production standards required by industry

Apprenticeship and Industry Training System

Industry-Driven

Alberta's apprenticeship and industry training system is an industry-driven system that ensures a highly skilled, internationally competitive workforce in more than 50 designated trades and occupations. This workforce supports the economic progress of Alberta and its competitive role in the global market. Industry (employers and employees) establishes training and certification standards and provides direction to the system through an industry committee network and the Alberta Apprenticeship and Industry Training Board. The Alberta government provides the legislative framework and administrative support for the apprenticeship and industry training system.

Alberta Apprenticeship and Industry Training Board

The Alberta Apprenticeship and Industry Training Board provides a leadership role in developing Alberta's highly skilled and trained workforce. The board's primary responsibility is to establish the standards and requirements for training and certification in programs under the Apprenticeship and Industry Training Act. The board also provides advice to the Minister of Advanced Education and Technology on the needs of Alberta's labour market for skilled and trained workers, and the designation of trades and occupations.

The thirteen-member board consists of a chair, eight members representing trades and four members representing other industries. There are equal numbers of employer and employee representatives.

Industry Committee Network

Alberta's apprenticeship and industry training system relies on a network of industry committees, including local and provincial apprenticeship committees in the designated trades, and occupational committees in the designated occupations. The network also includes other committees such as provisional committees that are established before the designation of a new trade or occupation comes into effect. All trade committees are composed of equal numbers of employer and employee representatives. The industry committee network is the foundation of Alberta's apprenticeship and industry training system.

Local Apprenticeship Committees (LAC)

Wherever there is activity in a trade, the board can set up a local apprenticeship committee. The board appoints equal numbers of employee and employer representatives for terms of up to three years. The committee appoints a member as presiding officer. Local apprenticeship committees:

- monitor apprenticeship programs and the progress of apprentices in their trade, at the local level
- make recommendations to their trade's provincial apprenticeship committee (PAC) about apprenticeship and certification in their trade
- promote apprenticeship programs and training and the pursuit of careers in their trade
- make recommendations to the board about the appointment of members to their trade's PAC
- help settle certain kinds of disagreements between apprentices and their employers
- carry out functions assigned by their trade's PAC or the board

Provincial Apprenticeship Committees (PAC)

The board establishes a provincial apprenticeship committee for each trade. It appoints an equal number of employer and employee representatives, and, on the PAC's recommendation, a presiding officer - each for a maximum of two terms of up to three years. Most PACs have nine members but can have as many as twenty-one. Provincial apprenticeship committees:

- make recommendations to the board about:
 - standards and requirements for training and certification in their trade
 - courses and examinations in their trade
 - apprenticeship and certification
 - designation of trades and occupations
 - regulations and orders under the Apprenticeship and Industry Training Act
- monitor the activities of local apprenticeship committees in their trade
- determine whether training of various kinds is equivalent to training provided in an apprenticeship program in their trade
- promote apprenticeship programs and training and the pursuit of careers in their trade
- consult with other committees under the Apprenticeship and Industry Training Act about apprenticeship programs, training and certification and facilitate cooperation between different trades and occupations
- consult with organizations, associations and people who have an interest in their trade and with employers and employees in their trade
- may participate in resolving certain disagreements between employers and employees
- carry out functions assigned by the board

Electrician PAC Members at the Time of Publication

Mr. A. Reimer	Edmonton	Presiding Officer
Mr. M. Brunner	Calgary	Employer
Mr. D. Basnett	Edmonton	Employer
Mr. C. Gratton	Edmonton	Employer
Mr. D. Kingdon	Edmonton	Employer
Mr. D. Unruh	Fort McMurray	Employer
Mr. L. Dzwonkiewicz	Grande Prairie	Employer
Mr. L. Elhart	Medicine Hat	Employer
Mr. T. Rosychuk	Edmonton	Employee
Mr. B. Setter	Fort McMurray	Employee
Mr. K. Blain	Red Deer	Employee
Mr. B. Dobson	Red Deer	Employee
Mr. B. Johnson	Red Deer	Employee

Alberta Government

Alberta Advanced Education and Technology works with industry, employer and employee organizations and technical training providers to:

- facilitate industry's development and maintenance of training and certification standards
- provide registration and counselling services to apprentices and employers
- coordinate technical training in collaboration with training providers
- certify apprentices and others who meet industry standards

Technical Institutes and Colleges

The technical institutes and colleges are key participants in Alberta's apprenticeship and industry training system. They work with the board, industry committees and Alberta Advanced Education and Technology to enhance access and responsiveness to industry needs through the delivery of the technical training component of apprenticeship programs. They develop lesson plans from the course outlines established by industry and provide technical training to apprentices.

Apprenticeship Safety

Safe working procedures and conditions, incident/injury prevention, and the preservation of health are of primary importance in apprenticeship programs in Alberta. These responsibilities are shared and require the joint efforts of government, employers, employees, apprentices and the public. Therefore, it is imperative that all parties are aware of circumstances that may lead to injury or harm.

Safe learning experiences and healthy environments can be created by controlling the variables and behaviours that may contribute to or cause an incident or injury. By practicing a safe and healthy attitude, everyone can enjoy the benefit of an incident and injury free environment.

Alberta Apprenticeship and Industry Training Board Safety Policy

The Alberta Apprenticeship and Industry Training Board (board) fully supports safe learning and working environments and emphasizes the importance of safety awareness and education throughout apprenticeship training- in both on-the-job training and technical training. The board also recognizes that safety awareness and education begins on the first day of on-the-job training and thereby is the initial and ongoing responsibility of the employer and the apprentice as required under workplace health and safety training. However the board encourages that safe workplace behaviour is modeled not only during on-the-job training but also during all aspects of technical training, in particular, shop or lab instruction. Therefore the board recognizes that safety awareness and training in apprenticeship technical training reinforces, but does not replace, employer safety training that is required under workplace health and safety legislation.

The board has established a policy with respect to safety awareness and training:

The board promotes and supports safe workplaces, which embody a culture of safety for all apprentices, employers and employees. Employer required safety training is the responsibility of the employer and the apprentice, as required under legislation other than the *Apprenticeship and Industry Training Act*.

The board's complete document on its 'Apprenticeship Safety Training Policy' is available at www.tradesecrets.gov.ab.ca; access the website and conduct a search for 'safety training policy'.

Implementation of the policy includes three common safety learning outcomes and objectives for all trade course outlines. These common learning outcomes ensure that each course outline utilizes common language consistent with workplace health and safety terminology. Under the title of 'Standard Workplace Safety', this first section of each trade course outline enables the delivery of generic safety training; technical training providers will provide trade specific examples related to the content delivery of course outline safety training.

Addendum

As immediate implementation of the board's safety policy includes common safety learning outcomes and objectives for all course outlines, this trade's PAC will be inserting these safety outcomes into the main body of their course outline at a later date. In the meantime the addendum below immediately places the safety outcomes and their objectives into this course outline thereby enabling technical training providers to deliver the content of these safety outcomes.

STANDARD WORKPLACE SAFETY

A. Safety Legislation, Regulations & Industry Policy in the Trades

Outcome: *Describe legislation, regulations and practices intended to ensure a safe work place in this trade.*

1. Demonstrate the ability to apply the Occupational Health and Safety Act, Regulation and Code.
2. Explain the role of the employer and employee in regard to Occupational Health and Safety (OH&S) regulations, Worksite Hazardous Materials Information Systems (WHMIS), fire regulations, Workers Compensation Board regulations, and related advisory bodies and agencies.
3. Explain industry practices for hazard assessment and control procedures.
4. Describe the responsibilities of workers and employers to apply emergency procedures.
5. Describe positive tradesperson attitudes with respect to housekeeping, personal protective equipment and emergency procedures.
6. Describe the roles and responsibilities of employers and employees with respect to the selection and use of personal protective equipment (PPE).
7. Select, use and maintain appropriate PPE for worksite applications.

B. Climbing, Lifting, Rigging and Hoisting

Outcome: *Describe the use of personal protective equipment (PPE) and safe practices for climbing, lifting, rigging and hoisting in this trade.*

1. Select, use and maintain specialized PPE for climbing, lifting and load moving equipment.
2. Describe manual lifting procedures using correct body mechanics.
3. Describe rigging hardware and the safety factor associated with each item.
4. Select the correct equipment for rigging typical loads.
5. Describe hoisting and load moving procedures.

C. Hazardous Materials & Fire Protection

Outcome: *Describe the safety practices for hazardous materials and fire protection in this trade.*

1. Describe the roles, responsibilities features and practices related to the workplace hazardous materials information system (WHMIS) program.
2. Describe the three key elements of WHMIS.
3. Describe handling, storing and transporting procedures when dealing with hazardous material.
4. Describe safe venting procedures when working with hazardous materials.
5. Describe fire hazards, classes, procedures and equipment related to fire protection.

Workplace Health and Safety

A tradesperson is often exposed to more hazards than any other person in the work force and therefore should be familiar with and apply the Occupational Health and Safety Act, Regulations and Code when dealing with personal safety and the special safety rules that apply to all daily tasks.

Workplace Health and Safety (Alberta Employment, Immigration and Industry) conducts periodic inspections of workplaces to ensure that safety regulations for industry are being observed.

Additional information is available at www.worksafely.org

Technical Training

Apprenticeship technical training is delivered by the technical institutes and many colleges in the public post-secondary system throughout Alberta. The colleges and institutes are committed to delivering the technical training component of Alberta apprenticeship programs in a safe, efficient and effective manner. All training providers place great emphasis on safe technical practices that complement safe workplace practices and help to develop a skilled, safe workforce.

The following institutions deliver Electrician apprenticeship technical training:

Northern Alberta Institute of Technology	Grande Prairie Regional College
Lakeland College	Lethbridge College
Keyano College	Medicine Hat College
Southern Alberta Institute of Technology	Red Deer College
Northern Lakes College	Portage College

Procedures for Recommending Revisions to the Course Outline

Advanced Education and Technology has prepared this course outline in partnership with the Electrician Provincial Apprenticeship Committee.

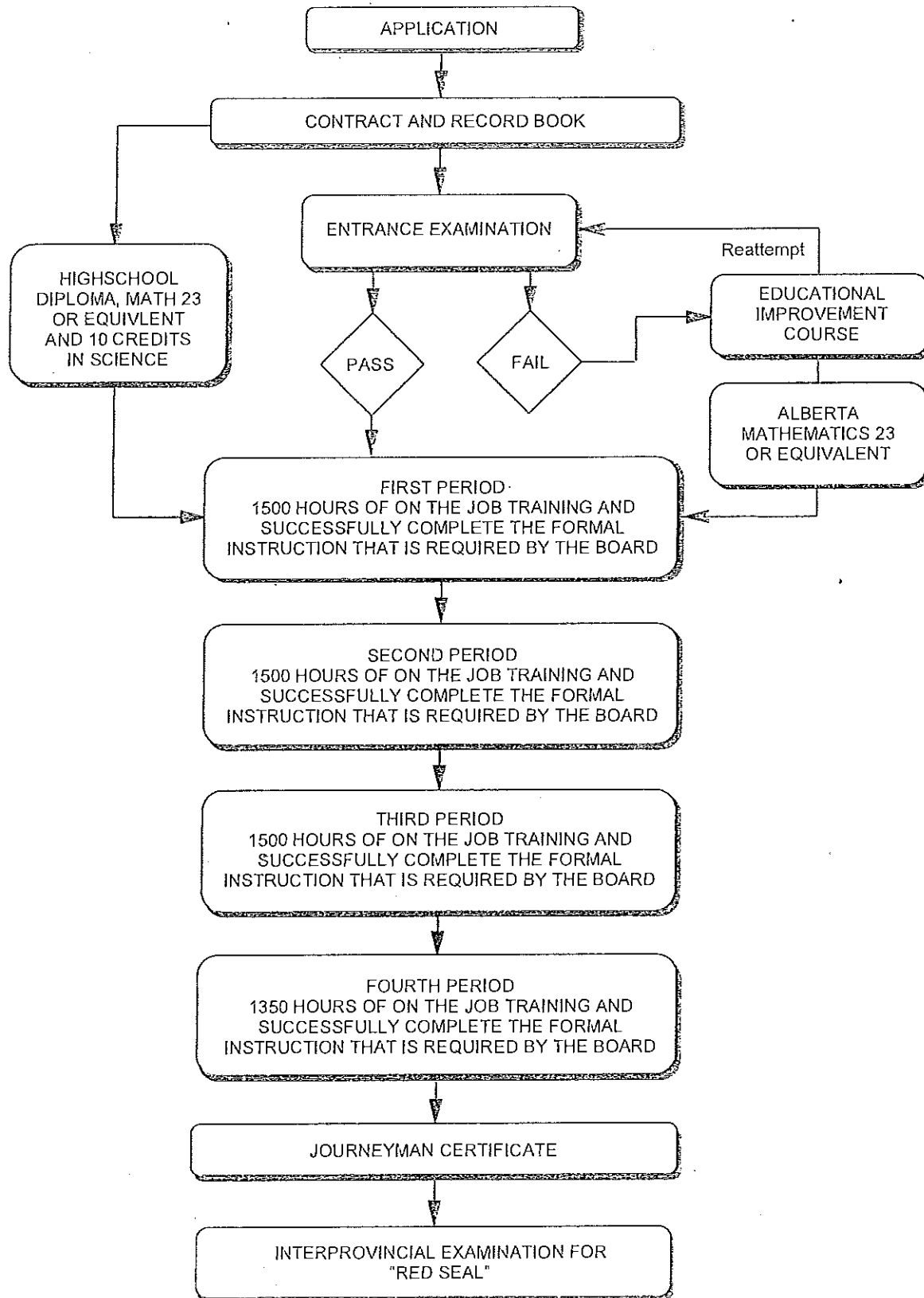
This course outline was approved on June 22, 2007 by the Alberta Apprenticeship and Industry Training Board on a recommendation from the Provincial Apprenticeship Committee. The valuable input provided by representatives of industry and the institutions that provide the technical training is acknowledged.

Any concerned individual or group in the province of Alberta may make recommendations for change by writing to:

Electrician Provincial Apprenticeship Committee
c/o Industry Programs and Standards
Apprenticeship and Industry Training
Advanced Education and Technology
10th floor, Commerce Place
10155 102 Street NW
Edmonton AB T5J 4L5

It is requested that recommendations for change refer to specific areas and state references used. Recommendations for change will be placed on the agenda for regular meetings of the Electrician Provincial Apprenticeship Committee.

Apprenticeship Route toward Certification



Electrician Training Profile
FIRST PERIOD
(8 Weeks 30 Hours per Week – Total of 240 Hours)

SECTION ONE				
CIRCUIT FUNDAMENTALS 80 HOURS	⇒	A Basic Mathematics 10 Hours	B Composition of Matter 4 Hours	C Current, Voltage, and Resistance 10 Hours
		D Characteristics of Conductors 6 Hours	E Series Resistive Circuits 8 Hours	F Parallel Resistive Circuits 8 Hours
		G Series-Parallel Resistive Circuits 12 Hours	H Work, Energy, Power and Efficiency 10 Hours	I Edison 3-Wire Distribution Systems 12 Hours
SECTION TWO				
EMF SOURCES 26 HOURS	⇒	A Methods of Producing EMF 4 Hours	B Cells and Batteries 8 Hours	C Magnetism 4 Hours
		D Electromagnetism and Electromagnetic Induction 6 Hours	E Generators 4 Hours	
SECTION THREE				
LAB FUNDAMENTALS 69 HOURS	⇒	A Safety 6 Hours	B Meters 4 Hours	C Conductors 6 Hours
		D Splicing and Terminating (Low Voltage) 3 Hours	E Resistors 2 Hours	F Switching Circuits 10 Hours
		G Basic Circuits Using Buzzers and Chimes 6 Hours	H Relays and Controls 12 Hours	I Low Voltage Switching 10 Hours
		J Residential Alarm Systems and Smoke Alarms 10 Hours		
SECTION FOUR				
CANADIAN ELECTRICAL CODE PART I AND BLUEPRINTS 65 HOURS	⇒	A Introduction to Code 4 Hours	B General Rules – Section 2 4 Hours	C Conductor Material and Sizes 4 Hours
		D Service and Grounding Requirements 6 Hours	E Service Feeders and Branch Circuits 6 Hours	F Wiring Methods 8 Hours
		G Installation of Electrical Equipment 4 Hours	H Installation of Lighting Equipment 4 Hours	I Lighting 6 Hours

J Data Cabling 7 Hours	K Class 1 and Class 2 Circuits 2 Hours	L Electrical Apprenticeship Training Program Orientation 2 Hours
M Orthographic Projection / Diagrams 2 Hours	N Dimensioning and Scaling / Print and Diagram Nomenclature / Construction Drawings 2 Hours	O Print Reading / Applied Drawings 4 Hours

SECOND PERIOD
(8 Weeks 30 Hours per Week – Total of 240 Hours)

SECTION ONE

**ALTERNATING CURRENT
(ac) CIRCUIT PROPERTIES**
36 HOURS



A Review of Math Skills 4 Hours	B Review of First Period Theory 2 Hours	C Fundamentals of Alternating Current 6 Hours
D Introduction to ac Circuits 6 Hours	E Inductance and Inductive Reactance 6 Hours	F Capacitance and Capacitive Reactance 6 Hours
G Power Relationships 6 Hours		

SECTION TWO

RLC CIRCUITS
74 HOURS



A Introduction to Series ac Circuits 10 Hours	B Series Resistive-Reactive Circuits 12 Hours	C Series RLC Circuits 14 Hours
D Introduction to Parallel ac Circuits 10 Hours	E Parallel RLC Circuits 14 Hours	F Power Factor Correction 14 Hours

SECTION THREE

**CANADIAN ELECTRICAL CODE
PART I / PLANS AND DIAGRAM**
55 HOURS



A Introduction to Second Period Canadian Electrical Code 2 Hours	B Service Conductor Ampacity for a Single Dwelling 4 Hours	C Services and Service Equipment for a Single Dwelling 2 Hours
D Feeder and Branch Distribution Requirements for a Single Dwelling 3 Hours	E Grounding Requirements for a Single Dwelling 3 Hours	F Service Ampacity for Apartments and Similar Buildings 6 Hours
G Service Protection and Controls for Apartments and Similar Buildings 2 Hours	H Electric Discharge Lighting, Emergency Systems and Unit Equipment 2 Hours	I Overview of Hazardous Locations - Section 18 3 Hours
J Class 1 Wiring Methods 4 Hours	K Class 1 Locations - Section 20 2 Hours	L Installations in Class II Locations 2 Hours
M Installations in Class III Locations 2 Hours	N Corrosive and Wet Locations - Section 22 4 Hours	O Electrical Installations in Patient Care Areas - Section 24 2 Hours

SECTION FOUR

HEATING AND COOLING CONTROLS

33 HOURS



P
Capacitor Bank Installations
2 Hours

Q
Diagrams
2 Hours

R
Specifications
4 Hours

S
Drawings and Plans
4 Hours

A
Principles of Automatic Heating and Cooling Controls
8 Hours

B
Temperature Sensing and Control Devices
3 Hours

C
Basic Gas-Fired Forced-Air Heating Systems
8 Hours

D
Mid/High-Efficiency / Gas-Fired / Forced-Air Heating Systems
4 Hours

E
Basic Hot Water Heating Systems
2 Hours

F
Cooling Systems
4 Hours

G
HVAC Rooftop Units
4 Hours

SECTION FIVE

MAGNETIC CONTROL AND SWITCHING CIRCUITS

42 HOURS



A
Drawings
2 Hours

B
Construction of Control Relays and Contactors
Operations of Relays
6 Hours

C
Timers and Smart Relays
4 Hours

D
Protection Devices (General) Protection Devices (Motor Circuits)
4 Hours

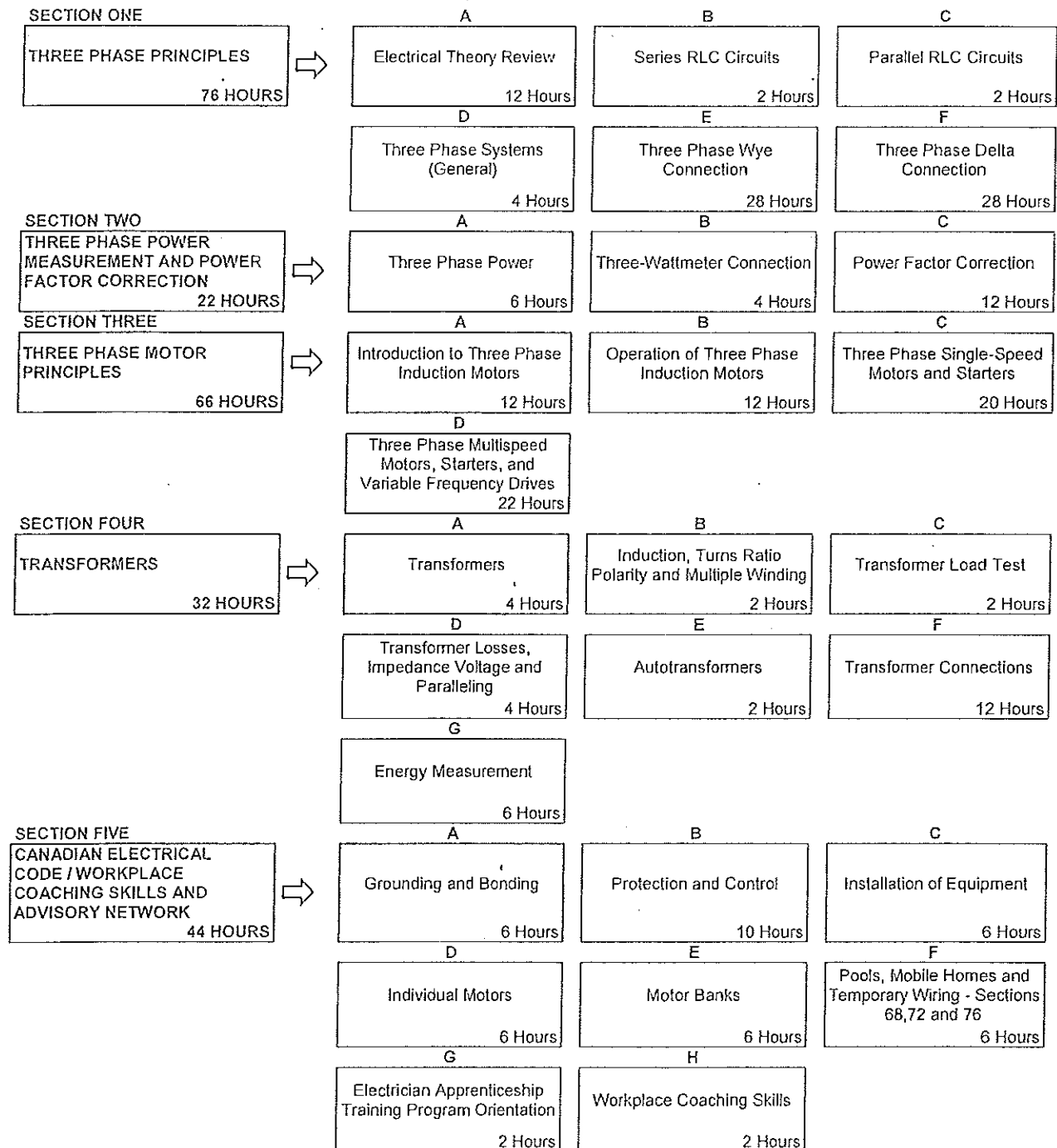
E
Construction of Magnetic Motor Starters
Overload Devices
6 Hours

F
Single Motor Control/ Pilot Devices and Symbols
6 Hours

G
Diagram Conversion
6 Hours

H
Reversing Magnetic Starters
8 Hours

THIRD PERIOD
(8 Weeks 30 Hours per Week – Total of 240 Hours)



FOURTH PERIOD
(12 Weeks 30 Hours per Week ~ Total of 360 Hours)

SECTION ONE ELECTRICAL THEORY REVIEW 12 HOURS	⇒	A Basic Electrical Circuits 2 Hours	B Series RLC Circuits 2 Hours	C Parallel RLC Circuits 2 Hours
		D Three Phase Basic Calculations 6 Hours		
SECTION TWO DIRECT CURRENT (dc) MACHINES 37 HOURS	⇒	A Direct Current Machines 6 Hours	B Direct Current Generator Principles 8 Hours	C Types of Direct Current Generators 5 Hours
		D Types of Direct Current Motors (Part 1) 10 Hours	E Types of Direct Current Motors (Part 2) 8 Hours	
SECTION THREE ALTERNATING CURRENT (ac) MACHINES 40 HOURS	⇒	A Three Phase Alternators 8 Hours	B Paralleling Alternators 8 Hours	C Synchronous Motors (Part 1) 8 Hours
		D Synchronous Motors (Part 2) 8 Hours	E Single Phase Motors 8 Hours	
SECTION FOUR CONTROL AND SWITCHING / PLC 57 HOURS	⇒	A Drawings and Basic Circuits 6 Hours	B Controls and Switching Circuits 8 Hours	C Special Control Circuits 7 Hours
		D Diagram Conversion 6 Hours	E Introduction to Programmable Logic Controllers 30 Hours	
SECTION FIVE FIRE ALARM SYSTEMS 30 HOURS	⇒	A Fire Detection and Alarm Systems 6 Hours	B Fire Detection and Alarm System Regulations 6 Hours	C Fire Alarm System Occupancy Classifications 6 Hours
		D Wiring Procedures for Fire Alarm Systems 12 Hours		
SECTION SIX ELECTRONICS 92 HOURS	⇒	A Electrical Properties and Measuring Instruments 10 Hours	B Diodes and Rectifier Circuits 18 Hours	C Application of Diodes and Rectifiers 12 Hours
		D Thyristors 6 Hours	E Practical Applications of Thyristors Circuits 10 Hours	F Voltage Regulators 4 Hours
		G Variable Frequency Drives 12 Hours	H Uninterruptible Power Supply (UPS) Systems 10 Hours	I Cathodic Protection 10 Hours

SECTION SEVEN

CANADIAN ELECTRICAL CODE
PART 1 APPLICATIONS &
SAFETY

92 HOURS



<p>A</p> <p>Conductors</p> <p>8 Hours</p>	<p>B</p> <p>Protection, Control and Wiring Methods</p> <p>12 Hours</p>	<p>C</p> <p>Grounding, Bonding and Distribution Layout</p> <p>6 Hours</p>
<p>D</p> <p>Electric Welders</p> <p>8 Hours</p>	<p>E</p> <p>Installation of Capacitors and Transformers</p> <p>4 Hours</p>	<p>F</p> <p>Hazardous and Special Locations</p> <p>12 Hours</p>
<p>G</p> <p>Individual Motors and Motor Banks</p> <p>4 Hours</p>	<p>H</p> <p>Safety / Arc Flash / High- voltage</p> <p>10 Hours</p>	<p>I</p> <p>Service Feeder and Branch Circuit Requirements for a Single Dwelling</p> <p>4 Hours</p>
<p>J</p> <p>Electrical Requirements for Apartments and Similar Buildings</p> <p>8 Hours</p>	<p>K</p> <p>Hotels and Motels</p> <p>6 Hours</p>	<p>L</p> <p>Other Occupancies</p> <p>10 Hours</p>

NOTE: The hours stated are for guidance and should be adhered to as closely as possible. However, adjustments must be made for rate of apprentice learning, statutory holidays, registration and examinations for the training establishment and Apprenticeship and Industry Training.



SOUTHERN Power & Controls

October 21, 2002

US Department of Justice
Immigration and Naturalization Service
5524 West Cypress Street
Tampa, Florida 33607

William J. Barry
Chief Executive Officer

Clarence W. Gregory, Jr.
"Bill"
President

Reneé Warner
Controller

4020 East 12th Avenue
Tampa, Florida 33605

(813) 242-6212

(813) 242-4214
Facsimile

(800) 606-2099

State Certified
Electrical Contractor
EC 0002855

www.southernpower.net

RE: Glen Bos A77019814

Dear Sir:

Glen Boss has worked for Southern Power & Controls since January 17, 2000. He started his position with us an electrician and has advanced to one of our best project managers. This position as project manger has been earned through hard work and determination. He will continue to advance through his dedication. Glen is honest and forthright with some of the best work ethics I know.

If you have any questions, please feel to contact me at (813) 242-6212 or by email at bgregory@southernpower.net.

Sincerely,

Clarence W. Gregory, Jr.
President
SOUTHERN POWER & CONTROLS, CORP.

CWG/js

Cc: File

RECEIVED

OCT 25 2002

ELECTRICAL
DIVISION

Southern Power & Controls is the electrical contractor most recognized for technical competence, accessibility and service continuity to clients with performance critical applications.

"24/7 Most Power-Full"®

Electrical Contractor reaching into the 21st Century with advanced technology, progressive management and ethical client relationships.



VERIFICATION OF CONSTRUCTION EXPERIENCE

ALL INFORMATION IS TO BE TYPED OR PRINTED
ILLEGIBLE APPLICATIONS WILL NOT BE ACCEPTED AND WILL BE RETURNED

Hillsborough County Development Services Division
CONTRACTOR LICENSING TEAM
5701 E. Hillsborough Avenue, Suite 2459
Tampa, Florida 33610

01/01, 2004

GLEN M. BOS is/was employed by Southern Power
(Applicant's Name) (Circle one) (Company Name)
located at 8918 SABAL INDUSTRIAL BLVD
from 01/05 2000 to CURRENT. 2005
(Start Date) (Year) (End Date) (Year)
full/part time* (circle one)

*Full time employment is considered having worked a minimum of 2,000 hours/year.

Describe, in your own words, what you know of the applicant's experience. Describe the type of work he/she performed and whether his/her position was as an apprentice, helper, journeyman, foreman, supervisor, or contractor. Describe the kind of buildings, structures, or projects worked upon. Give any details that might aid in evaluating his/her experience. Attach additional page(s) as necessary.

SINCE I KNOW GLEN M. BOS HE IS A SUPERINTENDENT FOR SOUTHERN POWER AND CONTROLS. FOR ME HE IS THE MORE KNOWLEDGEABLE ELECTRICIAN I BEEN SEEN ON MY LIFE. I THINK THAT IF HE BECOMES AN ELECTRICAL CONTRACTOR, HE WILL A GOOD HELP ONE HERE IN FLORIDA.

I hold current Contractor License No. ER-13012875
from DECEMBER-04-Hillsborough as a Electrical contractor.
(Jurisdiction Where License was Issued) (Type of License Held)

STATE OF FLORIDA
COUNTY OF HILLSBOROUGH

Sworn to (or affirmed) and subscribed before me this
7th day of JANUARY, 2005
by MANUEL AGUILA
(Printed/Types Name of License Holder Making Statement)

NOTARY PUBLIC
SARA R. LOPEZ
(Signature of Notary)
(Name of Notary Typed, Printed, or Stamped)

[Signature]
Signature of License Holder

Manuel Aguila
Printed Name of License Holder

My Commission Expires: 10/9/08
Personally Known ☒ OR Produced Identification

(Type of Identification Produced)



SARA R. LOPEZ
MY COMMISSION # DD 355339
EXPIRES: October 9, 2008
Bonded thru Budget Notary Services

RECEIVED

Seal

NOTE: If applicant is self-employed, notarized letters from Building Officials, licensing agencies, and/or contractors you performed work for will be accepted. This form may be duplicated. Verification forms must be furnished to substantiate the minimum experience in the category for which application is made.

VERIFICATION OF CONSTRUCTION EXPERIENCE

January 25 ~~19~~ 2002

HILLSBOROUGH COUNTY BUILDING DEPARTMENT
LICENSING DEPARTMENT
P.O. BOX 1110
TAMPA, FL 33601

Glen B6s

Southern Power & Controls, Corp.

IS/WAS EMPLOYED BY

LOCATED AT

4020 East 12th Avenue, Tampa, FL 33605

FROM January 1, ~~19~~ 2000 To Present

(Tell in your own words what you know of applicant's experience. Describe the type of work he/she performed and his/her position as apprentice, helper, journeyman, foreman, supervisory employee, or contractor. Describe the kind of buildings, structures, or projects worked upon. Give any details that might aid in evaluating his/her experience.) Please print or type information.

Has worked as a Superintendant for our company for the past two years.

He has supervised 30+ people on ground up projects for Middleton High School and National Gypsum.

I AM THE QUALIFIER FOR THE ABOVE FIRM AND HOLD CURRENT STATE LICENSE NO. EC0002855
FROM State of Florida AS AN Electrical CONTRACTOR.

I CERTIFY UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT.

SIGNED

THOMAS F. NIENABER

STATE OF Florida

COUNTY OF Hillsborough

Subscribed and sworn to before me
this 25th day of January, 2002
Notary Public
My Commission Expires

NOTARY PUBLIC - STATE OF FLORIDA
JERRY LYN HURTER
COMMISSION # CC039533
EXPIRES 2/28/2003
BOWEN THRU ASA 1/1/03-NOTARY

Seal:

RECEIVED

ELECTRICAL
DIVISION

(This form may be duplicated. Verification forms must be furnished to substantiate the minimum experience required in the category for which application is made.)

(If self-employed, notarized letters from Building Officials, licensing agencies, and/or contractors you performed work for will be accepted.)



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVE ARWOOD
DIRECTOR

August 22, 2013

E-13-42

TO: Members of the State Electrical Administrative Board
FROM: Dan O'Donnell, Chief, Electrical Division
SUBJECT: Journeyman electrician examination application

APPLICANT REPRESENTATIVE:

Joseph F. Fischer

PROJECT:

N/A

AUTHORITY:

The Michigan Electrical Administrative Act, 1956 PA 217 of the Michigan Compiled Laws.

The Electrical Administrative Board General Rules

REQUEST:

Request to petition the Electrical Administrative Board to sit for the journeyman electrician examination.

APPLICABLE RULE:

1956 PA 217, MCL 338.883a Sec. 3a. (c), MCL 338.883d Sec. 3d. (1), (a), (b), (c), (d), Administrative Board General Rules R338.1005a Rule 5a. (1), (2), (3), R338.1006a Rule 6a (1), (3), (4).

FINDINGS:

Mr. Fischer submitted an application to the Electrical Division to sit for the journeyman electrician examination. The documentation submitted by Mr. Fisher indicates that he

Providing for Michigan's Safety in the Built Environment

has attained 2300 hours of electrical experience in the State of Michigan beginning in 2006 working under the direction of a master electrician. Mr. Fischer also graduated from the Electrical Technology program at Michigan State University and attained 620 hours of classroom training. Additional information submitted by Mr. Fischer indicates that from January 2010 through July of 2012 he worked for a licensed electrical contractor in the State of Oklahoma where he accrued an additional 5269 hours of electrical experience. Based on the information supplied by Mr. Fischer he has a total of 8189 hours of electrical experience and related technical instruction.

RECOMMENDATION:

In accordance with the acts and rules listed above staff concludes that Mr. Fischer meets the requirements to sit for the State of Michigan journeyman electrician examination and recommends that the board approve his application.



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVE ARWOOD
DIRECTOR

Date Mailed from BCC: _____

8/6/2013

Joseph F. Fischer
[REDACTED]
[REDACTED]

Document E-13-42
Exam Applicant Review

NOTICE OF MICHIGAN ADMINISTRATIVE ELECTRICAL BOARD MEETING

You are hereby notified that in accordance with the Administrative Procedures Act, 1969 PA 306, MCL 24.201 *et seq.*, and the Electrical Administrative Act being 1956 PA 217 MCL 338.881 *et seq.*, you are scheduled to appear before the Michigan Electrical Administrative Board on:

Date: August 22, 2013
Time: 9:30 a.m.
Location: Department of Licensing and Regulatory Affairs
Bureau of Construction Codes
2501 Woodlake Circle, Conference Room 3
Okemos, MI 48864

This notice is to provide you the opportunity to provide testimony to the board regarding your experience and eligibility to sit for the journeyman electrician exam. If you wish to offer any document(s) into evidence, you must file the documentation with the Electrical Division prior to the meeting or bring fifteen (15) copies of the information you wish to enter for the board's consideration. In the event you are unable to attend the meeting or you choose not to appear before the board, please contact the Electrical Division in advance of the meeting. In the event that you fail to appear at the meeting as scheduled, a decision may be entered in your absence.

Accompanying this notice is a report outlining our findings and recommendation based upon the Electrical Administrative Act being 1956 PA 217 MCL and the documentation you have provided at the time of mailing. Any questions regarding this matter may be directed to the Electrical Division at (517) 241-9320.


Dan O'Donnell, Chief, Electrical Division

8-6-2013

Date

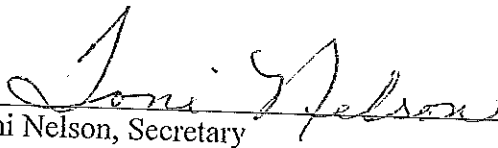
Providing for Michigan's Safety in the Built Environment

LARA is an equal opportunity employer
Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.
P.O. BOX 30254 • LANSING, MICHIGAN 48909
www.michigan.gov/bcc • Telephone (517) 241-9302 • Fax (517) 241-9570

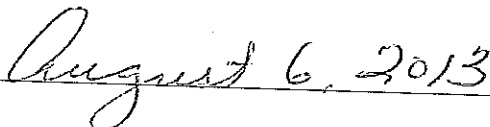
Exam Applicant Review
Joseph Fischer
Document No. E-13-42
August 22, 2013
Page 2 of 4

PROOF OF SERVICE



I hereby state, to the best of my knowledge, information, and belief, that a copy of the foregoing document was served on this date upon all parties and/or attorneys of record in this matter by email to those parties employed by the State of Michigan and by first class mail to the remaining parties at their respective addresses as disclosed below.



Toni Nelson, Secretary
Electrical Division
Bureau of Construction Codes



Date

Joseph F. Fischer



BCC Administration

Application for Journeyman Electrician Examination
Michigan Department of Licensing and Regulatory Affairs
Bureau of Construction Codes / Electrical Division
P.O. Box 30255, Lansing, MI 48909
517-241-9320
www.michigan.gov/bcc

103

Agency Use Only

Examination Fee: \$100.00 (nonrefundable)

Authority: 1956 PA 217 Completion: Mandatory Penalty: Examination will not be given	LARA is an equal opportunity employer/program. Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.
-------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Instructions: To be eligible to make application for and take this examination an applicant shall meet the following criteria:

- Complete and sign application. Type or print in ink.
- Application and fee must be received 20 business days prior to the examination date.
- Applicant must not be less than 20 years of age.
- Provide *original notarized* documentation from present or former employers to the effect that the applicant has not less than 8,000 hours of practical experience obtained over a period of not less than 4 years related to electrical construction or electrical maintenance of buildings under direct supervision of a person licensed pursuant to the act. Documentation must include the beginning (month, day, year) to ending (month, day, year) dates of employment. The 8,000 hours of practical work experience over 4 years must be attained prior to the deadline date for submitting documentation. *Notarized*, original documentation must be on employers' letterhead stationery and provide dates of employment and hours worked under licensed supervision and signed by the qualified master electrician.
- Enclose a check made payable to the **State of Michigan**.
- Mail completed application, required documents, and payment to the address listed above.

Information

Applicants are permitted one examination for the \$100.00 fee. Upon achieving a minimum passing score of 75% or higher, the applicant will be billed \$40.00 for the journeyman electrician license prior to issuance of the license. Failure of examination 2 times within 2 years requires 1 year waiting period from the date of the second failure and proof of successful completion of a course on code, electrical fundamentals or theory to be eligible for reexamination. Examination fee is forfeited upon failure to appear for scheduled examination unless written explanation is received within 10 business days of the examination.

Examination Eligibility of Applicants From Other States or Countries

A person who is licensed as a journeyman electrician in another state or country may qualify for examination upon determination by the board that the license was obtained by the person through substantially the same or equal requirements as those of the state of Michigan in accordance with the provisions of section 3a of the act.

Applicant Information

NAME (Last Name, First Name, Middle Initial) Fischer Joseph F		DATE OF BIRTH [REDACTED]	LAST 4 DIGITS OF SOCIAL SECURITY NUMBER* XXX-XX-[REDACTED]
ADDRESS [REDACTED]	CITY [REDACTED]	TOWNSHIP [REDACTED]	
COUNTY [REDACTED]	STATE MI	ZIP CODE [REDACTED]	TELEPHONE NUMBER (Include Area Code) [REDACTED]

Have you previously taken this examination? ☐ Yes ☒ No

If examination was not administered by the State Electrical Division provide the licensing entity:

City of _____ Township of _____

Examination Site

Examinations are given at the sites listed below. Refer to the enclosed "Schedule of Electrical Board Meetings and Licensing Examinations" for examination dates. Please check below the site you wish to be examined at and indicate a preference of examination month. If approved for examination, an admission card will be mailed to you approximately 10 days prior to the examination date. If the examination you have selected is full, you will be scheduled for the next available examination at your preferred site.

Preferred Site

☒ Lansing

☐ Escanaba

Preferred Month

July

If you have a disability and require an accommodation to take the examination, please submit written documentation from a professional (education professional, doctor, psychologist, psychiatrist) to certify that your disabling condition requires the requested test accommodation. Forms are available from this office.

*This information is confidential. Disclosure of confidential information is protected by the Federal Privacy Act.

Experience Record (attach additional sheets if necessary)

NAME OF EMPLOYER Helix Electric Inc		DATES OF EMPLOYMENT (MM/DD/YY) BEGINNING: 07-24-10 ENDING: 07-22-12	
ADDRESS 6795 Flakors Drive	CITY San Diego	STATE CA	ZIP CODE 92121
TYPE OF WORK PERFORMED New construction, commercial, interior, exterior, main Distribution panel make-up transformer installation & wiring			
NAME OF EMPLOYER		DATES OF EMPLOYMENT (MM/DD/YY)	
ADDRESS	CITY	STATE	ZIP CODE
TYPE OF WORK PERFORMED			

Certification and Signature of Applicant

I certify the information provided is true and accurate to the best of my ability and I have the experience required for this examination. I further understand fraud or deceit in obtaining a license is grounds for administrative action in accordance with the act.

APPLICANT'S SIGNATURE [Signature]	DATE 5-24-13
---------------------------------------------	------------------------

Agency Use Only

Approved for Exam ☐ Yes ☐ No

Date of Exam	Score	Absent	Date of Exam	Score	Absent

Validation Area

[Redacted] 05/22/13
 Conf: 1074 Amt: \$100.00
 By: JOSEPH P FISCHER

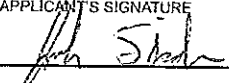
Date Approved by EAB _____

Experience Record (attach additional sheets if necessary)

NAME OF EMPLOYER MSU Physical Plant		DATES OF EMPLOYMENT (MM/DD/YY) BEGINNING: 08-25-08 ENDING: 12-15-09	
ADDRESS 132 Physical plant building	CITY East Lansing	STATE MI	ZIP CODE 48824
TYPE OF WORK PERFORMED New construction. rough in wiring, finishing wiring, trouble shooting on interior wiring & exterior wiring			
NAME OF EMPLOYER Maurer Electric Inc		DATES OF EMPLOYMENT (MM/DD/YY) BEGINNING: 08-26-06 ENDING: 12-05-07	
ADDRESS 28 Westland Drive	CITY Bardonia	STATE NY	ZIP CODE 10513
TYPE OF WORK PERFORMED Schools trouble calls & in home wiring			

Certification and Signature of Applicant

I certify the information provided is true and accurate to the best of my ability and I have the experience required for this examination. I further understand fraud or deceit in obtaining a license is grounds for administrative action in accordance with the act.

APPLICANT'S SIGNATURE 	DATE 5-24-13
------------------------------------------------------------------------------------------------------------	-----------------

Agency Use Only

Approved for Exam ☐ Yes ☐ No

Date of Exam	Score	Absent	Date of Exam	Score	Absent

Validation Area

Date Approved by EAB _____

Joseph Fischer

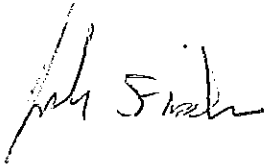
To whom it may concern,

Here is all the information I can find on the subject. The address for Helix Electric did change when I was working for them, the new address is 6795 Flanders Drive, San Diego, CA 92121. The phone numbers that are listed are their personal numbers and they will be willing to point you in the right direction if you were to give them a call. My number is listed on this page, feel free to give me a call with any questions. I am also willing to sit in on a board meeting if need be, to help answer questions if they have any.

Helix Electric's website is helixelectric.com. They work on multimillion dollar jobs all over the southern US. They have worked on major airports like San Diego International airport and LAX. They have worked on ski resorts in Colorado and hotels in Hawaii. They have other corporate offices in Las Vegas and Phoenix. My division was based out of San Diego and I only worked on Fort Sill military Base, Lawton/Fort Sill, Oklahoma under Mr. John Woodruff, Mr. Kevin Shaw, and Mr. Tracy Valenta. Everything was installed/wired up to the most recent NEC codebook at the time that was published, at first we were on the 2008 and when I finished we were working out of the 2011.

Thank you for taking the time to look at this information and hope I can sit and take that test one day soon. Feel free to call and ask for information. It has been a major issue to get letters written and signed, but I can see what I can get to you.

Sincerely,



Joseph Fischer



MICHIGAN STATE UNIVERSITY

April 21, 2010

To whom it may concern,

Mr. Joseph F. Fisher is a graduate of the Electrical Technology Program at Michigan State University. The program is approved by the U.S. Department of Labor, Bureau of Apprenticeship and Training. In the State of Michigan, the Electrical Administrative Board action of May 19, 1972, would grant Mr. Fisher **1,000 hours of electrical experience.**

Mr. Fisher began his apprenticeship at Michigan State University in **August, 2008.** This letter is to verify that he has satisfactorily completed the Electrical Technology apprenticeship program at Michigan State University in **December, 2009.** Through the apprenticeship training, Mr Fisher gained **620 hours of class room training.**

If you have questions about the qualifications of Mr. Fisher, please call me at 517/353-4896.

Sincerely,



Jonathan R. Althouse
Instructor and Electrical Technology Coordinator

Biosystems &
Agricultural Engineering

Jonathan R. Althouse

Coordinator
Electrical Technology
Program

Michigan State University
114 A.W. Farrall Hall
East Lansing, MI
48824-1323

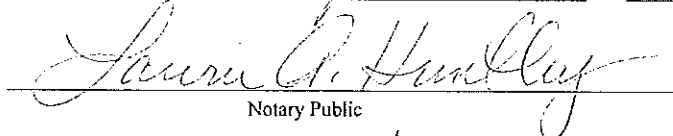
517/353-4896
FAX: 517/432-2892

e-mail:
althous2@msu.edu

web:
www.egr.msu.edu/age/

The foregoing instrument was acknowledged before me on this:

21st day of April, 2010


Notary Public

My commission expires: 6/19/2012

RECEIVED
JUN 25 2010
Laurie A. Huntley
NOTARY PUBLIC - STATE OF MICHIGAN
COUNTY OF INGHAM
My Commission Expires June 19, 2012
Acting in the County of Ingham

MICHIGAN STATE
UNIVERSITY

December 15, 2009

Michigan Department of Labor
Bureau of Construction Codes
Electrical Administrative Board
7150 Harris Drive, P.O. Box 30255
Lansing, MI 48909

To Whom It May Concern,

Joe Fischer has worked at the Physical Plant in the Electrical Shop from August 25, 2008 thru December 15, 2009 as an electrical apprentice. Joe has logged a total of 1,528 hours of experience.

Joe's job responsibilities consist of the following:

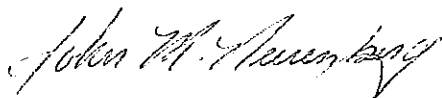
Maintain, repair and install secondary power distribution systems (208-240 and 480-277 volts), including distribution and branch panels, feeders, branch wiring, lighting fixtures, wiring devices, Test continuity of electrical circuits of installed or repaired equipment using electrical measuring instruments. Analyze malfunctions of electrical equipment using ammeter, voltmeter, ohmmeter, drawings and visual inspections.

S

If I can be of further assistance, please call me at 517-432-0509.

Thank you.

Sincerely,



John Nurenberg
Electrical Shop Supervisor
Physical Plant Maintenance
License #6209378

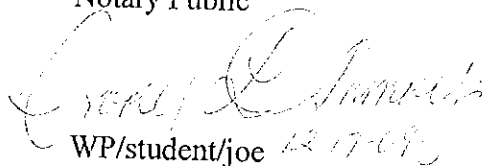
PHYSICAL PLANT
DIVISION

Maintenance Services

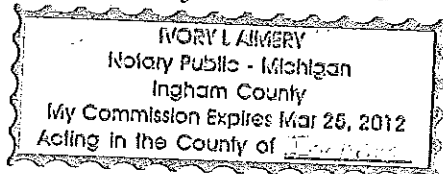
Michigan State University
132 Physical Plant Building
East Lansing, MI
48824-1215

517/353-1760
FAX: 517/355-5205

Notary Public




WP/student/joe 12-17-09



Maurer Electric, Inc.

28 Westland Drive
Bad Axe Michigan 48413
Phone (989) 269-8171
Fax (989) 269-6670

May 14, 2008

Joseph Fischer


To Whom It May Concern:

Joe was employed with Maurer Electric, Inc. from June 26, 2006 until December 5, 2007 part-time for after school, weekends and summer help as an electrical apprentice. During that time Joe worked on several different commercial and residential projects and in the shop. His total hours worked is as follows:

Regular time	718 hours
Overtime	50 hours

If you have any questions, please do not hesitate to contact our office.

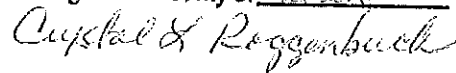
Sincerely,



Lawrence L. Maurer, Master Electrician
Contractor License #61-03819
Master License #62-05356

CRYSTAL L. ROGGENBUCK
NOTARY PUBLIC - STATE OF MICHIGAN
COUNTY OF SANILAC

My Commission Expires Aug. 1, 2014
Acting in the County of Huron





Helix Electric, Inc.

Constructors

Engineers

May 22, 2013

Corres. #01

Joseph Fischer
[REDACTED]
[REDACTED]

Mr. Joseph Fischer

SUB: Employment Verification with Helix Electric Inc.

Please accept this notarized letter as employment verification that Joseph Fischer was employed by Helix Electric Inc. performing full time duties under the direct supervision of a licensed electrician from 2010 through 2013. During that time Joe worked on several commercial buildings located at Fort Sill Army Base in Lawton Oklahoma.

Total hours worked are as follows,

Year 2010

Regular Pay 1870.5

Overtime Pay 73

Year 2011

Regular Pay 1972

Overtime Pay 161

Year 2012

Regular Pay 1124

Overtime Pay 68.5

Total Hours 2010 - 2012

Regular Pay 4966.5

Overtime Pay 302.5

I have attached the pay records for your convenience.

If you have any questions or concerns, please do not hesitate to contact us.

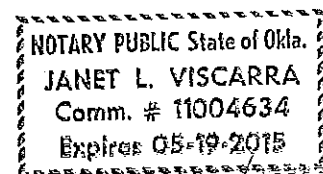
Sincerely,

John Woodruff / Superintendent
Helix Electric Inc. www.helixelectric.com
Field Office: 580-250-1281 / Cell: 925-297-9171

RECEIVED

JUN 19 2013

ELECTRICAL
DIVISION





DEPARTMENT OF CONSUMER AFFAIRS

Contractors State License Board**Contractor's License Detail - License # 483309**

DISCLAIMER: A license status check provides information taken from the CSLB license database. Before relying on this information, you should be aware of the following limitations.

CSLB complaint disclosure is restricted by law (B&P 7124.6) If this entity is subject to public complaint disclosure, a link for complaint disclosure will appear below. Click on the link or button to obtain complaint and/or legal action information.

Per B&P 7071.17, only construction related civil judgments reported to the CSLB are disclosed.

Arbitrations are not listed unless the contractor fails to comply with the terms of the arbitration.

Due to workload, there may be relevant information that has not yet been entered onto the Board's license database.

License Number	483309	Extract Date	6/10/2013
	HELIX ELECTRIC INC		
Business Information	Business Phone Number: (858) 535-0505		
	P O BOX 85298		
	SAN DIEGO, CA 92186		
Entity	Corporation		
Issue Date	11/26/1985		
Expire Date	11/30/2013		
License Status	ACTIVE		
	This license is current and active. All information below should be reviewed.		
Classifications	CLASS	DESCRIPTION	
	C10	ELECTRICAL	
	B	GENERAL BUILDING CONTRACTOR	
	A	GENERAL ENGINEERING CONTRACTOR	
	C-7	LOW VOLTAGE SYSTEMS	
	C46	SOLAR	
	CONTRACTOR'S BOND		
	This license filed a Contractor's Bond with		
	TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA.		
Bonding	Bond Number: 103407684		
	Bond Amount: \$12,500		
	Effective Date: 01/01/2007		
	Contractor's Bond History		
	BOND OF QUALIFYING INDIVIDUAL		

1. The Responsible Managing Officer (RMO) SHEKHTER GARY certified that he/she owns 10 percent or more of the voting stock/equity of the corporation. A bond of qualifying individual is not required.

Effective Date: 03/17/1986

2. This license filed Bond of Qualifying Individual number 1830190 for JORDAN BRIAN EUGENE in the amount of \$12,500 with TRAVELERS CASUALTY AND SURETY COMPANY.

Effective Date: 01/01/2007

BQI's Bond History

3. This license filed Bond of Qualifying Individual number 103433824 for ASHTON DENNIS DALE in the amount of \$12,500 with TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA.

Effective Date: 01/01/2007

BQI's Bond History

WORKERS' COMPENSATION

This license has workers compensation insurance with
OLD REPUBLIC GENERAL INSURANCE CORPORATION

Workers' Compensation

Policy Number: A1CW96361203

Effective Date: 10/31/2012

Expire Date: 10/30/2013

Workers' Compensation History

Personnel listed on this license (current or disassociated) are listed on other licenses.

Personnel List

Other Licenses

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Division of Labor Standards Enforcement (DLSE)

Electrician certification program

español

To All Electricians working for C-10 Contractors

Who needs to be certified to work in California as an electrician?

Electricians who work for a contractor with a class C-10 license.

What do I need to do to work as an electrician for a contractor licensed as Class C-10 in California?

You can work as an electrician for a class C-10 contractor if...

General electrician

Residential electrician

Fire/life/safety technician

Voice data video technician

Non-residential lighting technician

You have on the job experience of at least...

8,000 hours
Sign up for and pass the exam.4,800 hours
Sign up for and pass the exam.4,000 hours
Sign up for and pass the exam.4,000 hours
Sign up for and pass the exam.2,000 hours
Sign up for and pass the exam.

You have some on the job experience, but not the required amount.

Some on the job experience - general electrician

Some on the job experience - residential electrician

Some on the job experience - fire/life/safety technician

Some on the job experience - voice/data/video technician

Some on the job experience - non-residential lighting technician

You are a registered apprentice participating in a state approved apprenticeship program.

Registered apprentice - general electrician

Registered apprentice - residential electrician

Registered apprentice - fire/life/safety technician

Registered apprentice - voice/data/video technician

Registered apprentice - non-residential lighting technician

You have decided to embark on a career as an electrician and have no experience or related instruction.

No on the job experience or instruction - general electrician

No on the job experience or instruction - residential electrician

No on the job experience or instruction - fire/life/safety technician

No on the job experience or instruction - voice/data/video technician

No on the job experience or instruction - non-residential lighting technician

File a Claim

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Livingston, Evelyn (LARA)

From: John Woodruff [REDACTED]
Sent: Tuesday, June 11, 2013 12:29 PM
To: Livingston, Evelyn (LARA)
Subject: Joe Fischer - Journeyman supervision cards
Attachments: Jackson,Oshields,Hickman - Ok-JW Cards.pdf
Evie,

Per your request see the (3) attached Oklahoma Journeyman Certs. for the journeyman I had in direct supervision of Joe Fischer while he was employed at Fort Sill Army Base in the state of Oklahoma.

Jackson Oklahoma JW card # 140359
Oshields Oklahoma JW card # 83989
Hickman Oklahoma JW card # 10084

Please let me know should you require further information or any clarifications on the attached.

Thanks

John Woodruff / Superintendent
Helix Electric, Inc. www.helixelectric.com
Field Office: 580-250-1281 / Cell: 925-297-9171

06/12/2013

municipal ordinances. The Board may seek payment through the surety bond of any fines or penalties, which the licensee fails to pay.

(f) Exceptions. The bond and insurance requirement will be waived if the electrical contractor is employed by a corporation, partnership, public entity, or political subdivision and said corporation, partnership, public entity or political subdivision submits an affidavit on behalf of the contractor that the employee will only perform electrical work on property owned by said corporation, partnership, public entity, or political subdivision and the employer assumes all financial responsibility in lieu of the contractor providing bond and insurance. The affidavit must include a statement by the employer that the Board will be notified if the contractor is no longer employed by said employer, or if the employer no longer wishes to assume financial responsibility for the contractor.

[Source: Added at 19 Ok Reg 726, eff 1-22-02 (emergency); Added at 19 Ok Reg 1269, eff 5-28-02; Amended at 21 Ok Reg 765, eff 4-26-04; Added at 22 Ok Reg 1060, eff 5-26-05; Amended at 25 Ok Reg 1859, eff 6-26-08]

Subchapter 7 - License Classifications

158:40-7-1. Unlimited electrical license

(a) Applicants for an unlimited electrical contractor examination must be eighteen (18) years of age or older and must verify at least twelve thousand (12,000) hours (6 years) experience on-the-job in electrical construction work. At least six thousand (6,000) of the hours of experience must be verified in commercial/industrial work. Experience must be obtained while employed by a licensed electrical contractor. No more than two thousand (2,000) of the hours may be counted as experience for any combination of verified actual classroom hours of formal electrical education and/or military electrical experience. Applicants must submit proof of two (2) years experience as a licensed electrical journeyman prior to making application for the unlimited electrical contractors license.

(b) Applicants for an unlimited electrical journeyman examination must be at least eighteen (18) years of age or older and must verify eight thousand (8,000) hours (4 years) on-the-job experience in the electrical construction trade, as defined in 90-2 National Electrical Code, under the supervision of a journeyman or contractor. Experience must be obtained while employed by a licensed electrical contractor. Six thousand (6,000) of the hours of experience must be verified in commercial/industrial work. No more than two thousand (2,000) of the hours may be counted as experience for any combination of verified actual classroom hours of formal electrical education and/or military electrical experience.

(c) A licensed residential electrician may work as an apprentice electrician on commercial/industrial jobs in order to qualify experience for an unlimited license exam.

- (d) A licensed residential electrician may work as an apprentice under the unlimited license category.

[Source: Added at 19 Ok Reg 726, eff 1-22-02 (emergency); Added at 19 Ok Reg 1269, eff 5-28-02; Amended at 28 Ok Reg 2341, eff 8-25-11]

158:40-7-2. Residential electrical license

- (a) Residential electrical licenses are limited to wiring buildings as defined in the National Electrical code for one and two family dwellings.

- (b) Applicants for residential electrical contractor examination must:

- (1) be eighteen (18) years of age or older,
- (2) have passed the residential or unlimited journeyman examination and
- (3) submit proof of two (2) years experience as a licensed electrical journeyman and have at least four thousand (4,000) hours of experience as a residential or unlimited journeyman electrician under the employment and supervision of an unlimited or residential electrical contractor.

- (c) Applicants for residential electrical journeyman examination must:

- (1) be eighteen (18) years of age or older and
- (2) verify at least four thousand (4,000) hours (2 years) experience in the electrical construction trade as an apprentice under the direct supervision of an unlimited or residential journeyman electrician or unlimited or residential electrical contractor.
- (3) No more than one thousand (1,000) of the hours may be counted as experience for any combination of verified actual classroom hours of formal electrical education and/or military electrical experience.

[Source: Added at 19 Ok Reg 726, eff 1-22-02 (emergency); Added at 19 Ok Reg 1269, eff 5-28-02; Amended at 23 Ok Reg 1213, eff 5-25-06; Amended at 28 Ok Reg 2341, eff 8-25-11]

158:40-7-3. Electrical inspectors [REVOKED]

[Source: Added at 19 Ok Reg 726, eff 1-22-02 (emergency); Added at 19 Ok Reg 1269, eff 5-28-02; Revoked at 28 Ok Reg 2341, eff 8-25-11]

158:40-7-4. Limited electrical contractor

- (a) Applicants for Limited Electrical Contractor examination must be at least eighteen (18) years of age or older and must have a degree in Electrical Engineering from an accredited college

Oklahoma Construction Industries Board

Verification as of June 12, 2013

License Verification for
TIM CLARK JACKSON

Individual Information

Name	TIM CLARK JACKSON
City	LAWTON

License Information

License Type	Electrical Journeyman License Application
License Number	00140359
License Status	Approved
Expiration Date	09/14/2011

License Type	Electrical Journeyman License
License Number	00140359
License Status	Active
Expiration Date	01/31/2014

Additional Information

Citation	No
----------	----

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Oklahoma Construction Industries Board

Verification as of June 12, 2013

License Verification for
MICHAEL L O'SHIELDS

Individual Information

Name	MICHAEL L O'SHIELDS
City	LAWTON

License Information

License Type	Electrical Journeyman License Application
License Number	083989
License Status	Approved
Expiration Date	08/18/2008

License Type	Electrical Apprentice Registration
License Number	083989
License Status	Expired
Expiration Date	12/17/2008

License Type	Electrical Journeyman License
License Number	083989
License Status	Active
Expiration Date	06/30/2013

Additional Information

Citation	No
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Oklahoma Construction Industries Board

Verification as of June 12, 2013

License Verification for
JAMES E HICKMAN

Individual Information

Name	JAMES E HICKMAN
City	JONES

License Information

License Type	Electrical Contractor License
License Number	010084
License Status	Inactive
Expiration Date	08/31/2013

Additional Information

Citation	No
----------	----

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RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVE ARWOOD
DIRECTOR

August 22, 2013

E-13-43

TO: Members of the State Electrical Administrative Board

FROM: Dan O'Donnell, Chief, Electrical Division

SUBJECT: Journeyman electrician examination application

APPLICANT REPRESENTATIVE:

Jeremy Garrett

PROJECT:

N/A

AUTHORITY:

The Michigan Electrical Administrative Act, 1956 PA 217 of the Michigan Compiled Laws.

The Electrical Administrative Board General Rules

REQUEST:

Request to petition the Electrical Administrative Board to sit for the journeyman electrician examination.

APPLICABLE RULE:

1956 PA 217, MCL 338.883a Sec. 3a. (c), MCL 338.883d Sec. 3d. (1), (a), (b), (c), (d), Administrative Board General Rules R338.1005a Rule 5a. (1), (2), (3), R338.1006a Rule 6a (1), (3), (4).

FINDINGS:

Mr. Garrett submitted an application to the Electrical Division to sit for the journeyman electrician examination. Mr. Garrett provided documentation that indicates that he was

Providing for Michigan's Safety in the Built Environment

an apprentice wireman in Alaska working under the direction of the Alaska Joint Electrical Apprenticeship Training Trust located in Anchorage , Alaska. Mr. Garrett provided information from the Alaska Department of Workforce Development indicating that he had attained 8000 hours of on the job training and 1400 hours of classroom training.

RECOMMENDATION:

In accordance with the acts and rules listed above staff concludes that Mr Garrett meets the requirements to sit for the State of Michigan journeyman electrician examination and recommends that the board approve his application.



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVE ARWOOD
DIRECTOR

Date Mailed from BCC: 8/6/2013

Jeremy R. Garrett
[REDACTED]
[REDACTED]

Document E-13-43
Exam Applicant Review

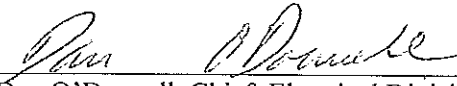
NOTICE OF MICHIGAN ADMINISTRATIVE ELECTRICAL BOARD MEETING

You are hereby notified that in accordance with the Administrative Procedures Act, 1969 PA 306, MCL 24.201 *et seq.*, and the Electrical Administrative Act being 1956 PA 217 MCL 338.881 *et seq.*, you are scheduled to appear before the Michigan Electrical Administrative Board on:

Date: August 22, 2013
Time: 9:30 a.m.
Location: Department of Licensing and Regulatory Affairs
Bureau of Construction Codes
2501 Woodlake Circle, Conference Room 3
Okemos, MI 48864

This notice is to provide you the opportunity to provide testimony to the board regarding your experience and eligibility to sit for the journeyman electrician exam. If you wish to offer any document(s) into evidence, you must file the documentation with the Electrical Division prior to the meeting or bring fifteen (15) copies of the information you wish to enter for the board's consideration. In the event you are unable to attend the meeting or you choose not to appear before the board, please contact the Electrical Division in advance of the meeting. In the event that you fail to appear at the meeting as scheduled, a decision may be entered in your absence.

Accompanying this notice is a report outlining our findings and recommendation based upon the Electrical Administrative Act being 1956 PA 217 MCL and the documentation you have provided at the time of mailing. Any questions regarding this matter may be directed to the Electrical Division at (517) 241-9320.


Dan O'Donnell, Chief, Electrical Division

8-6-2013
Date

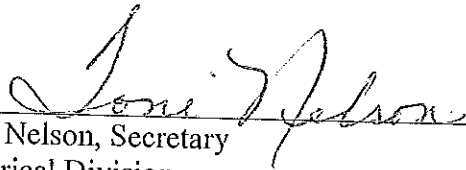
Providing for Michigan's Safety in the Built Environment

LARA is an equal opportunity employer
Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.
P.O. BOX 30254 • LANSING, MICHIGAN 48909
www.michigan.gov/bcc • Telephone (517) 241-9302 • Fax (517) 241-9570

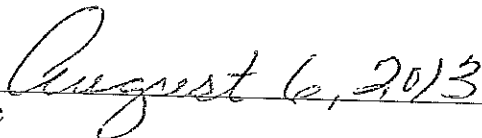
Exam Applicant Review
Jeremy R. Garrett
Document No. E-13-43
August 22, 2013
Page 2 of 4

PROOF OF SERVICE



I hereby state, to the best of my knowledge, information, and belief, that a copy of the foregoing document was served on this date upon all parties and/or attorneys of record in this matter by email to those parties employed by the State of Michigan and by first class mail to the remaining parties at their respective addresses as disclosed below.



Toni Nelson, Secretary
Electrical Division
Bureau of Construction Codes



Date

Jeremy R. Garrett



BCC Administration

Application for Journeyman Electrician Examination
Michigan Department of Licensing and Regulatory Affairs
Bureau of Construction Codes / Electrical Division
P.O. Box 30255, Lansing, MI 48909
517-241-9320
www.michigan.gov/bcc

103

Agency Use Only

Examination Fee: \$100.00 (nonrefundable)

Authority: 1956 PA 217
Completion: Mandatory
Penalty: Examination will not be given

LARA is an equal opportunity employer/program. Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.

Instructions: To be eligible to make application for and take this examination an applicant shall meet the following criteria:

- Complete and sign application. Type or print in ink.
- Application and fee must be received 20 business days prior to the examination date.
- Applicant must not be less than 20 years of age.
- Provide **original notarized** documentation from present or former employers to the effect that the applicant has not less than 8,000 hours of practical experience obtained over a period of not less than 4 years related to electrical construction or electrical maintenance of buildings under direct supervision of a person licensed pursuant to the act. Documentation must include the beginning (month, day, year) to ending (month, day, year) dates of employment. The 8,000 hours of practical work experience over 4 years must be attained prior to the deadline date for submitting documentation. **Notarized**, original documentation must be on employers' letterhead stationery and provide dates of employment and hours worked under licensed supervision and signed by the qualified master electrician.
- Enclose a check made payable to the **State of Michigan**.
- Mail completed application, required documents, and payment to the address listed above.

Information

Applicants are permitted one examination for the \$100.00 fee. Upon achieving a minimum passing score of 75% or higher, the applicant will be billed \$40.00 for the journeyman electrician license prior to issuance of the license. Failure of examination 2 times within 2 years requires 1 year waiting period from the date of the second failure and proof of successful completion of a course on code, electrical fundamentals or theory to be eligible for reexamination. Examination fee is forfeited upon failure to appear for scheduled examination unless written explanation is received within 10 business days of the examination.

Examination Eligibility of Applicants From Other States or Countries

A person who is licensed as a journeyman electrician in another state or country may qualify for examination upon determination by the board that the license was obtained by the person through substantially the same or equal requirements as those of the state of Michigan in accordance with the provisions of section 3a of the act.

Applicant Information

NAME (Last Name, First Name, Middle Initial) Garrett Jeremy R.		DATE OF BIRTH [REDACTED]	LAST 4 DIGITS OF SOCIAL SECURITY NUMBER* XXX-XX-[REDACTED]
ADDRESS [REDACTED]	CITY [REDACTED]	TOWNSHIP [REDACTED]	
COUNTY [REDACTED]	STATE MI.	ZIP CODE [REDACTED]	TELEPHONE NUMBER (Include Area Code) [REDACTED]

Have you previously taken this examination? ☐ Yes ☒ No

If examination was not administered by the State Electrical Division provide the licensing entity:

City of _____ Township of _____

Examination Site

Examinations are given at the sites listed below. Refer to the enclosed "Schedule of Electrical Board Meetings and Licensing Examinations" for examination dates. Please check below the site you wish to be examined at and indicate a preference of examination month. If approved for examination, an admission card will be mailed to you approximately 10 days prior to the examination date. If the examination you have selected is full, you will be scheduled for the next available examination at your preferred site.

Preferred Site

☒ Lansing

☐ Escanaba

Preferred Month

MAY

If you have a disability and require an accommodation to take the examination, please submit written documentation from a professional (education professional, doctor, psychologist, psychiatrist) to certify that your disabling condition requires the requested test accommodation. Forms are available from this office.

*This information is confidential. Disclosure of confidential information is protected by the Federal Privacy Act.

Experience Record (attach additional sheets if necessary)

NAME OF CURRENT EMPLOYER		DATES OF EMPLOYMENT (MM/DD/YY)	
ADDRESS		BEGINNING:	ENDING:
CITY		STATE	ZIP CODE
TYPE OF WORK PERFORMED			
NAME OF EMPLOYER		DATES OF EMPLOYMENT (MM/DD/YY)	
ADDRESS		BEGINNING:	ENDING:
CITY		STATE	ZIP CODE
TYPE OF WORK PERFORMED			

Certification and Signature of Applicant

I certify the information provided is true and accurate to the best of my ability and I have the experience required for this examination. I further understand fraud or deceit in obtaining a license is grounds for administrative action in accordance with the act.

APPLICANT'S SIGNATURE	DATE
-----------------------	------

Agency Use Only

Approved for Exam ☐ Yes ☐ No

Date of Exam	Score	Absent	Date of Exam	Score	Absent

Validation Area

04/19/13
 CHUR: 302 Amt: (100.00)
 ID: JEREMY R GARRETT

Date Approved by EAB _____

RECEIVED
 APR 22 2013
 ELECTRONIC
 DIVISION



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVE ARWOOD
DIRECTOR

April 24, 2013

Jeremy R Garrett
[REDACTED]
[REDACTED]

Dear Mr. Garrett:

Your application for the May 30, 2013 journeyman electrical examination has been received by our office. In accordance with 1956 PA 217 MCL section 338.883a and the Electrical Administrative Board General Rule R338.1006a, out of state work experience has to be reviewed by the Electrical Administrative Board.

For the board to properly review your application please provide the following information:

A person who is licensed as a master or journeyman electrician in another state or country may qualify for examination upon a determination by the board that the license was obtained by the person through substantially the same or equal requirements as those of the state of Michigan.

1. Provide the licensing requirements for the city, township, village, county, state, or country that issued your current electrical license.
2. Provide copies of the electrical contractor's license that provided your employment and the qualifying master electrician's license for verification. Also documentation stating how long the contractor and master have been licensed.
3. A copy of the licensing requirements for the city, township, village, county, state or country that issued the license for the master electrician that supervised you.
4. A copy of the license requirements for the city, township, village, county, state or country that issued the license for the contractor who provided your employment.

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LARA is an equal opportunity employer
Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.
P.O. BOX 30254 • LANSING, MICHIGAN 48909
www.michigan.gov/bcc • Telephone (517) 241-9302 • Fax (517) 241-9570

Jeremy R Garrett

April 24, 2013

Page 2

5. Letter(s) of documentation of 8000 hours over a period of not less than four years, under the supervision of a licensed master electrician, signed by the master or contractor of record for the company and notarized. Letter must show the beginning and ending dates (month, day, year) of employment and total number of hours worked.

Please provide our office with the additional information or if you do not wish to have your exam application presented to the Electrical Administrative Board, please send us a letter requesting your application be removed from the board meeting. Return a copy of this letter along with additional information to LARA, Electrical Division, PO Box 30254, Lansing MI 48909.

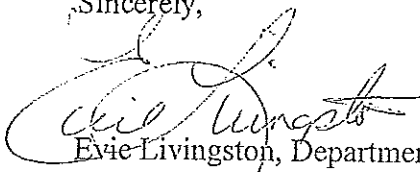
You will need to submit any additional information or letters to our office by May 2, 2013.

If all the additional information requested is received and your application is complete, then your application will be presented to the Electrical Administrative Board on May 23, 2013. You will receive a notice of hearing 10 days prior to the board meeting.

If you are unable to provide the additional information or do not wish to have your application presented to the Electrical Administrative Board, you will be ineligible for the examination and any fees paid will be forfeited as outlined in Rule 338.1002a of the General Electrical Administrative Board Rules.

Please contact the Electrical Division at 517-241-9320 if you have any questions.

Sincerely,



Evie Livingston, Departmental Technician
Electrical Division



RECEIVED

MAY 01 2013

ELECTRICAL
DIVISION

Post-it® Fax Note	7671	Date	5/1/13	# of pages	5
To	Eve Livingston	From	Jeremy Garrett		
Co./Dept.	Electrical	Co.			
Phone #	(517) 241-9320	Phone #	[REDACTED]		
Fax #	(517) 241-9308	Fax #			

Hi Eve, 5/1/13

Here is a copy of Jeremy's
AK Journeyman Card and the
State requirements.

The IBEW will be fixing
documents and verification of
dates, hours, company dispatches
etc....

Thank you!

Mike Garrett

STATE OF UTAH
DEPARTMENT OF COMMERCE
DIVISION OF OCCUPATIONAL & PROFESSIONAL LICENSING

ACTIVE LICENSE

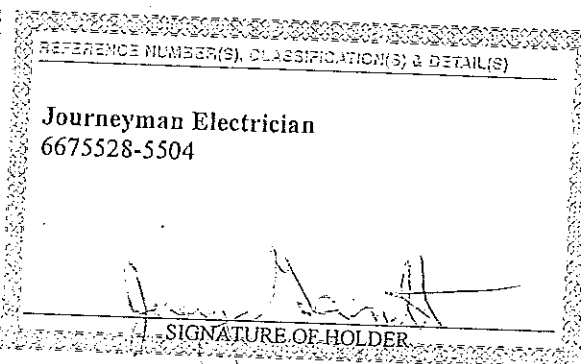
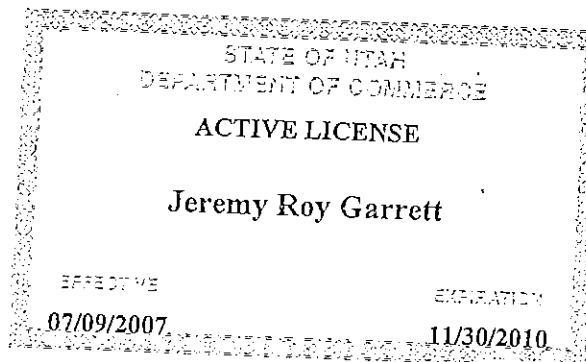
EFFECTIVE DATE: 07/09/2007
EXPIRATION DATE: 11/30/2008
ISSUED TO: Jeremy Roy Garrett



REFERENCE NUMBER(S), CLASSIFICATION(S) & DETAIL(S)

6675528-5504 Journeyman Electrician


SIGNATURE OF HOLDER



Licensed Occupations- Electrical Worker

Page 1 of 1

[Department of Labor and Workforce Development / Research and Analysis Section]
Electrical Worker

Licensing Authority:

Alaska Department of Labor and Workforce Development
Labor Standards & Safety Division
Mechanical Inspection Section
3301 Eagle Street, Suite 302
Anchorage, AK 99503
phone: (907) 269-4925
fax: (907) 269-4932
e-mail: Anchorage.LSS-MI@alaska.gov

License/Exam Fees:

Application \$50
Certificate of fitness \$200
Biennial renewal \$200

A re-application fee of \$50.00 is required if the license has expired 90 days or longer, and if it is expired more than two years a re-examination is required. Work may not be performed with an expired license.

Licensing Requirements:

- Applicants for electrical journeyman and lineman journeyman need 8,000 hours of legally obtained experience in the trade subject to the NEC (electricians) or NESC (linemen). A notarized letter from former employers or an Alaska based union attesting to experience is required.
- Electrical residential applicants need legally obtained 4,000 hours of experience in the trade subject to the NEC. A notarized letter from former employers or an Alaska based union attesting to experience is required.
- Applicants for electrical journeyman and lineman journeyman need 8,000 hours of legally obtained experience in the trade subject to the NEC (electricians) (no more than 2000 hours of residential wiring) or NESC (linemen). A notarized letter from former employers or an Alaska based union attesting to experience is required. Apprentices must be indentured in registered apprenticeship program that is approved by the United States Department of Labor, apprenticeship office.

Valid Licenses in 2011:

3,585 journeyman electrician
202 residential electrician (limited to four-plex residential and below)
742 trainee electrician
564 journeyman power lineman
80 trainee power lineman

last updated April 2012

The information on this page is updated annually and may have changed during the year. Contact the licensing agency for any changes.

FILED



EXPERIENCE VERIFICATION FORM
 Alaska Department of Labor and Workforce Development
 Mechanical Inspection
 3301 Eagle Street, Suite #302
 Anchorage, Alaska 99503
 Phone (907) 269-4925

APPLICANT: Last Name First Name MI

Garrett Jeremy MI

APPLICANT: Social Security Number

Notarized verification of qualified hours is required for licensing with the State of Alaska. Your prompt return of this form to the applicant, filled out completely, would be appreciated. Thank you for your assistance.

VERIFIED HOURLY EXPERIENCE
SELF VERIFICATION IS NOT ACCEPTABLE

I certify I have direct knowledge that the applicant was employed as follows (job title): Apprentice Wireman
 subject to (check one): NEC ☒ NESC ☐ UPC ☐ from (date) 2/6/06 to (date) 2/6/06

Electrician	# Hours	Plumber	# Hours	Boiler & Size	# Years / Hrs
Commercial/Industrial (EJ)	<u>8000</u>	Commercial/Residential (PJ)		Boiler operator	
Residential (ER) (up to 4-plex)		Water services, sewer, storm line (PU)		Boiler installation /repair	
Linework (LJ)		Gas piping & appliances (PG)		Lbs/Hr or BTU/Hr	
Class Room Hours	<u>1400</u>	Class Room Hours		Class Room Hours	

NOTE:
 NO MAINTENANCE HOURS APPLY TO ANY ELECTRICAL OR PLUMBING CERTIFICATES

Printed name of Company Alaska Joint Electrical Apprenticeship Training Trust
 Company address 5800 B Street Phone (907) 337-9508
 City Anchorage State AK Zip Code 99518 Fax (907) 537-9500
 Printed name of Representative Charlie Breitenstein Title Statewide Training Director
 Signature of Company Representative (to be Notarized below) [Signature]

NOTARY PUBLIC

ALASKA BASED UNION VERIFICATION

Signed and sworn before me this 30th
 day of April 2013

Notary Public [Signature]

My Commission Expires 1/15/18

This space below reserved for Notarial stamp

Attach separate sheet to include type of work and list of employers

- | | |
|-------------------------------------------------|------------------------------------------------|
| <input type="checkbox"/> Electrical Journeyman | <input type="checkbox"/> Plumber/Journeyman |
| <input type="checkbox"/> Residential Journeyman | <input type="checkbox"/> Plumber/Restricted/PG |
| <input type="checkbox"/> Electrician Trainee | <input type="checkbox"/> Plumber/Restricted/PU |
| <input type="checkbox"/> Lineman Journeyman | <input type="checkbox"/> Plumber/Trainee |
| <input type="checkbox"/> Lineman Trainee | |

Union Official Signature

Union Official Printed Name

This space below reserved for Union Seal

RECEIVED

MAY 31 2013

Rev 7/21/05



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVE ARWOOD
DIRECTOR

August 22, 2013

E-13-44

TO: Members of the State Electrical Administrative Board
FROM: Dan O'Donnell, Chief, Electrical Division
SUBJECT: Journeyman electrician examination application

APPLICANT REPRESENTATIVE:

Roy A. Lemke

PROJECT:

N/A

AUTHORITY:

The Michigan Electrical Administrative Act, 1956 PA 217 of the Michigan Compiled Laws.

The Electrical Administrative Board General Rules

REQUEST:

Request to petition the Electrical Administrative Board to sit for the journeyman electrician examination.

APPLICABLE RULE:

1956 PA 217, MCL 338.883a Sec. 3a. (c), MCL 338.883d Sec. 3d. (1), (a), (b), (c), (d), Administrative Board General Rules R338.1005a Rule 5a. (1), (2), (3), R338.1006a Rule 6a (1), (3), (4).

FINDINGS:

Mr. Lemke submitted an application to sit for the journeyman electrician examination. Mr. Lemke included information that indicates that in December 2010 he completed an

Providing for Michigan's Safety in the Built Environment

electrical apprenticeship as a manufacturing plant electrician as well as an Associates of Applied Science, Electrical Apprenticeship Technologies degree through Portland Community College in Portland, Oregon. Mr. Lemke's documentation indicates that he attained over 8000 hours of electrical experience from August 2004 to August 2011 under the direct supervision of a limited supervising electrician licensed through the State of Oregon.

RECOMMENDATION:

In accordance with the acts and rules listed above staff concludes that Mr. Lemke meets the requirements to sit for the State of Michigan journeyman electrician examination and recommends that the board approve his application.



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVE ARWOOD
DIRECTOR

Date Mailed from BCC: _____

8/6/2013

Roy A. Lemke
[REDACTED]
[REDACTED]

Document E-13-44
Exam Applicant Review

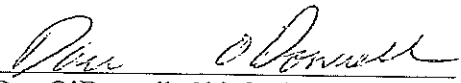
NOTICE OF MICHIGAN ADMINISTRATIVE ELECTRICAL BOARD MEETING

You are hereby notified that in accordance with the Administrative Procedures Act, 1969 PA 306, MCL 24.201 *et seq.*, and the Electrical Administrative Act being 1956 PA 217 MCL 338.881 *et seq.*, you are scheduled to appear before the Michigan Electrical Administrative Board on:

Date: August 22, 2013
Time: 9:30 a.m.
Location: Department of Licensing and Regulatory Affairs
Bureau of Construction Codes
2501 Woodlake Circle, Conference Room 3
Okemos, MI 48864

This notice is to provide you the opportunity to provide testimony to the board regarding your experience and eligibility to sit for the journeyman electrician exam. If you wish to offer any document(s) into evidence, you must file the documentation with the Electrical Division prior to the meeting or bring fifteen (15) copies of the information you wish to enter for the board's consideration. In the event you are unable to attend the meeting or you choose not to appear before the board, please contact the Electrical Division in advance of the meeting. In the event that you fail to appear at the meeting as scheduled, a decision may be entered in your absence.

Accompanying this notice is a report outlining our findings and recommendation based upon the Electrical Administrative Act being 1956 PA 217 MCL and the documentation you have provided at the time of mailing. Any questions regarding this matter may be directed to the Electrical Division at (517) 241-9320.


Dan O'Donnell, Chief, Electrical Division

8-6-2013

Date

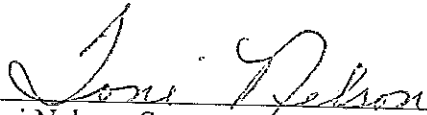
Providing for Michigan's Safety in the Built Environment

LARA is an equal opportunity employer
Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.
P.O. BOX 30254 • LANSING, MICHIGAN 48909
www.michigan.gov/bcc • Telephone (517) 241-9302 • Fax (517) 241-9570

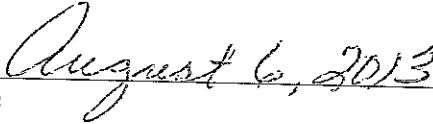
Exam Applicant Review
Roy A. Lemke
Document No: E-13-44
August 22, 2013
Page 2 of 4

PROOF OF SERVICE

I hereby state, to the best of my knowledge, information, and belief, that a copy of the foregoing document was served on this date upon all parties and/or attorneys of record in this matter by email to those parties employed by the State of Michigan and by first class mail to the remaining parties at their respective addresses as disclosed below.



Toni Nelson, Secretary
Electrical Division
Bureau of Construction Codes



Date

Roy A. Lemke



BCC Administration

Application for Journeyman Electrician Examination
Michigan Department of Licensing and Regulatory Affairs
Bureau of Construction Codes / Electrical Division
P.O. Box 30255, Lansing, MI 48909
517-241-9320
www.michigan.gov/bcc

103

Agency Use Only

Examination Fee: \$100.00 (nonrefundable)

Authority: 1956 PA 217
Completion: Mandatory
Penalty: Examination will not be given

LARA is an equal opportunity employer/program. Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.

Instructions: To be eligible to make application for and take this examination an applicant shall meet the following criteria:

- Complete and sign application. Type or print in ink.
- Application and fee must be received 20 business days prior to the examination date.
- Applicant must not be less than 20 years of age.
- Provide **original notarized** documentation from present or former employers to the effect that the applicant has not less than 8,000 hours of practical experience obtained over a period of not less than 4 years related to electrical construction or electrical maintenance of buildings under direct supervision of a person licensed pursuant to the act. Documentation must include the beginning (month, day, year) to ending (month, day, year) dates of employment. The 8,000 hours of practical work experience over 4 years must be attained prior to the deadline date for submitting documentation. **Notarized**, original documentation must be on employers' letterhead stationery and provide dates of employment and hours worked under licensed supervision and signed by the qualified master electrician.
- Enclose a check made payable to the **State of Michigan**.
- Mail completed application, required documents, and payment to the address listed above.

Information

Applicants are permitted one examination for the \$100.00 fee. Upon achieving a minimum passing score of 75% or higher, the applicant will be billed \$40.00 for the journeyman electrician license prior to issuance of the license. Failure of examination 2 times within 2 years requires 1 year waiting period from the date of the second failure and proof of successful completion of a course on code, electrical fundamentals or theory to be eligible for reexamination. Examination fee is forfeited upon failure to appear for scheduled examination unless written explanation is received within 10 business days of the examination.

Examination Eligibility of Applicants From Other States or Countries

A person who is licensed as a journeyman electrician in another state or country may qualify for examination upon determination by the board that the license was obtained by the person through substantially the same or equal requirements as those of the state of Michigan in accordance with the provisions of section 3a of the act.

Applicant Information

NAME (Last Name, First Name, Middle Initial) <i>Lemke Roy, A</i>		DATE OF BIRTH [REDACTED]	LAST 4 DIGITS OF SOCIAL SECURITY NUMBER* XXX-XX-[REDACTED]
ADDRESS [REDACTED]	CITY [REDACTED]	TOWNSHIP [REDACTED]	
COUNTY [REDACTED]	STATE <i>MI</i>	ZIP CODE [REDACTED]	TELEPHONE NUMBER (Include Area Code) [REDACTED]

Have you previously taken this examination? ☐ Yes ☒ No

If examination was not administered by the State Electrical Division provide the licensing entity:

City of _____ Township of _____

Examination Site

Examinations are given at the sites listed below. Refer to the enclosed "Schedule of Electrical Board Meetings and Licensing Examinations" for examination dates. Please check below the site you wish to be examined at and indicate a preference of examination month. If approved for examination, an admission card will be mailed to you approximately 10 days prior to the examination date. If the examination you have selected is full, you will be scheduled for the next available examination at your preferred site.

Preferred Site

☒ Lansing

☐ Escanaba

Preferred Month

August

If you have a disability and require an accommodation to take the examination, please submit written documentation from a professional (education professional, doctor, psychologist, psychiatrist) to certify that your disabling condition requires the requested test accommodation. Forms are available from this office.

*This information is confidential. Disclosure of confidential information is protected by the Federal Privacy Act.

Experience Record (attach additional sheets if necessary)

NAME OF CURRENT EMPLOYER <i>Intel</i>		DATES OF EMPLOYMENT (MM/DD/YY) BEGINNING: <i>Sep 2011</i> ENDING: <i>April 2013</i>	
ADDRESS	CITY <i>Hilo</i>	STATE <i>Oregon</i>	ZIP CODE
TYPE OF WORK PERFORMED <i>Maintenance Electrical Supervisor</i>			
NAME OF EMPLOYER <i>Wash Industries</i>		DATES OF EMPLOYMENT (MM/DD/YY) BEGINNING: <i>2004</i> ENDING: <i>Sep 2011</i>	
ADDRESS	CITY <i>Clackamas</i>	STATE <i>O.R.</i>	ZIP CODE
TYPE OF WORK PERFORMED			

Certification and Signature of Applicant

I certify the information provided is true and accurate to the best of my ability and I have the experience required for this examination. I further understand fraud or deceit in obtaining a license is grounds for administrative action in accordance with the act.

APPLICANT'S SIGNATURE <i>Ray A Lemke</i>	DATE <i>7-2-2013</i>
---------------------------------------------	-------------------------

Agency Use Only

Approved for Exam ☐ Yes ☐ No

Date of Exam	Score	Absent	Date of Exam	Score	Absent

Validation Area

Exam 20130703 17773353-1 07/03/13
 07/03/13 07/03/13
 07/03/13

Date Approved by EAB _____

Wednesday, July 03, 2013

To whom it may concern: My name is Roy Lemke and I am a licensed Plant Journeyman Electrician in the state of Oregon. I am writing this letter today to explain my circumstances surrounding my application for Journeyman Electrician in the state of Michigan. I recently moved my family from Oregon to Fennville Michigan and am now seeking to get a Michigan Electrical license so I can work in the state of Michigan. Licensing in Oregon was obtained through a specific 8000hr training program with the state of Oregon, my employer at the time, and local community colleges in an apprenticeship program. I hold both; Journeyman Plant Electrician and Limited Maintenance Electrical licenses in Oregon and I have a AAS degree in Electrical Studies from Portland Community College. I have included with my application the Standards of Apprenticeship from the State Bureau of Labor and Industries to show what the requirements are for the apprenticeship in Oregon. There is a complete breakdown of the program in this document and it shows the term is 8000 hours and breaks them down accordingly. I have also included a letter from the state of Oregon showing my examination results for the plant journeyman license and my license number. The supporting documents I sent only pertain to the plant journeyman license as this license is considered higher then my Limited Maintenance license in the state of Oregon. I hope that I have provided sufficient documentation with my application to take your state exam. If you have any concerns or questions please contact me at the number listed at the bottom of the page.

Supporting documents provided in this package

- 1) Standards of Apprenticeship Metro Manufacturing Plant Electrician State Of Oregon
- 2) Oregon State Apprenticeship and Training Council Certificate of Completion
- 3) Bureau of Labor and Industries apprenticeship completion letter
- 4) Portland Community College degree and certificate title letter
- 5) State of Oregon Plant Journeyman test results and license number
- 6) Copy of AAS from Portland Community College Electrician Apprenticeship Technologies
- 7) Copy of Oregon Plant Journeyman Electrical license and Oregon Drivers license
- 8) Personal Resume with recent employment information and references

Contact Info [REDACTED] Phone [REDACTED]

Roy Lemke

Profile

I am a young, energetic, and driven Plant Journeyman Electrician. I am well versed in both electrical and mechanical industrial maintenance fields. With 17 years experience in industrial maintenance I have experience in many different environments and have obtained a very diverse skill set. Adept in performing electrical installations, maintenance and repairs in plant facilities; knowledgeable in all areas of the national electrical code; and excel in troubleshooting, analyzing and solving problems with various electrical controls and systems.

Career Goal

Obtain a respective career as maintenance supervisor with the utilization of obtained executive and professional expertise. Looking for a challenging and rewarding career with room for advancement and long term growth.

Academic Background

- Associates of Applied Sciences in Electrical studies
- Plant Journeyman Electrician License
- Limited Maintenance Electrical License
- Journeyman Millwright /Maintenance Engineer
- Completion of Basic, Intermediate, and Advanced PLC training program for Allen Bradley PLC's
- GE Fanuc Intelligent Platforms Proficy Logic Developer Program.
- Completed Du Pont's Safety Training Observation Program.
- Currently pursuing Bachelors Degree in Operations Management

Known Computer Skills

- Microsoft Word, Microsoft Excel, Microsoft Access, Microsoft PowerPoint, Microsoft Outlook Express
- Program and Troubleshoot PLC's such as GE Fanuc, Allen Bradley, and Siemens using Proficy machine edition software, Rockwell software and Direct Soft logic.
- Programming of HMI interface, Motion Controls, Servo/Micro stepping motors, Robotic fixtures and assemblies.
- Use of programming languages Basic, Visual Basic, PLC ladder logic, CNC.
- Experience in Auto Cad and other Cad based engineering software.

Professional Excellence Summary

- Strong interpersonal, team building and communication skills.
- Self-motivated, devoted and decisive with good personal management skills.
- Work well individually as well as in a team environment
- Possess good project management skills, strong analytical and problem solving skills.

Professional Background

- Sep 2011 to April 2013 Intel- semiconductor manufacturing facility and data center operations in Aloha Oregon.

Job Titles: Maintenance Electrical Supervisor

Provide Facilities electrical leadership to the site organizations in support of Safety, Reliability, Quality, Environmental and Cost objectives. Responsibilities include: Owning safety within area of influence; ensuring systems operate reliably to avoid manufacturing/facility (or operations) impacts by meeting uptime goals; overlooking projects to meet design criteria, scope, budget, and schedule; oversight of planning, design, reconfiguration, construction, maintenance, and modifications to equipment, machinery, facilities systems, buildings, and structures as required to support business requirements; delivering operational efficiency, maintenance, testing and commissioning solutions; effective collaboration with construction and operations teams to coordinate work in the field; identify and implement opportunities to achieve lowest cost of ownership to key stakeholders while maintaining reliability. Responsible for scheduling and oversight of 14 Plant Journeyman Electrical technicians. Implementation of budget of 75,000 per quarter. Team oversight on project specific budgets reaching into the millions. Establish methods for maximum maintenance personnel utilization through effective planning as well as establishing/adopting/implementing methods for asset life cycle cost of ownership and reliability. Determine the most efficient sequence of operations and workflow. Establish or assist in establishing waste elimination measures (LEAN). Plan and schedule training programs for personnel concerning all phases of facilities electrical maintenance operations. Respond to customer/client requests or events as they occur. Develop solutions to problems utilizing formal education, experience and judgement. Maintain liaison with facilities technicians and other management regarding work execution, necessity of altering schedules and manpower status. Coordinates with manufacturing upcoming impactful work or factory shutdowns Conduct / lead periodic planning & scheduling meetings to determine work order priorities and communicate work order status. Ensure maintenance conformance to schedule. Coordinate with Facilities Engineers, Operations Managers, Project Engineers and Designers on impacted systems and the need to produce engineering documents.

2004 to Sep. 2011 Warn Industries- light 4 wheel drive and off road parts manufacturer in Clackamas Or.

Job Titles: Maintenance Electrician/ Controls Engineer

Support of Warns electrical needs through installing, repairing, replacing, and maintaining all electrical equipment, fixtures and systems. Perform electrical repairs and preventative maintenance on a wide variety of facility and production equipment and systems. Journeyman proficiency in electrical system design, construction, lighting systems and general plant electrical maintenance. Participate in the design and development of programmable automated manufacturing equipment. Apply, install, program, and support software that contributes to the continuous improvement of automated manufacturing processes and data control and collection. Design and program HMI interface systems and design and write ladder logic programs for new automated machinery and test equipment designed in house. Maintenance and repair of motors and controls. Perform electrical maintenance and preventative maintenance on Mori Seiki, Robo Drill, and Mazak CNC machines. Perform electrical maintenance and preventative maintenance on Trumpf automated cutting lasers and CNC punch presses. Maintain and repair HVAC systems for building heating and cooling. Provide quick and efficient customer support to anyone in need of electrical services while maintaining a clean and safe work environment.

1998-2004: Franz/United Sates Bakery's High speed industrial food processing plant.

Job Titles: Operating Engineer/Electrician

Performed electrical and mechanical maintenance in a fast paced industrial food processing facility. Maintenance of industrial ovens, conveyor systems, high speed wrapping and packaging equipment as well as all facilities requirements. Maintenance of electrical drives, motors and controls. Electrical maintenance and repair of all plant automation systems and automated machinery and equipment. Use of all tools including machinery such as lathes, drill press, milling machines, etc. to perform electrical and mechanical maintenance of in house equipment. Welding of mild steels, stainless steel and aluminum to food grade requirements with MIG, TIG and Stick welding machines. Maintain and repair all building lighting and emergency lighting systems.

References Listed Below

Bruce Reff: Intel Electrical Engineer 503-572-8793

John Currier: Intel Operations Management 503-459-3217

Dan Adair: Intel Electrician 503-507-0072

David Schaffer : Warn Industries Supervising Electrician 360-798-6238

Kirk Hanson: Warn Industries Maintenance and Operations Manager 503-522-3877

Brian Fletcher: Warn Industries Electrician 503-320-7054

State of Oregon

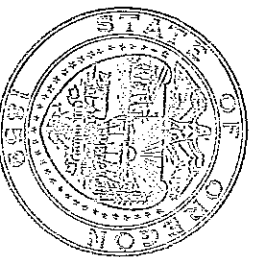
Oregon State Apprenticeship and Training Council

Certificate of Completion

In recognition of satisfactory completion of the required period of Apprenticeship under the provisions of Oregon Revised Statutes Chapter 660, the person whose name appears on this Certificate is entitled to the rating of Journeyman.

Issued to: Roy A. Lenke

Occupation: Manufacturing Plant Electrician



In Testimony Whereof the undersigned have affixed these signatures:
this 14th day of December, 20 10

Commissioner Bureau of Labor & Industries

State Director of Apprenticeship & Training

Portland Community College

Portland, Oregon

The Board of Directors of Portland Community College by virtue of the authority vested in them by the State of Oregon and upon recommendation of the faculty, hereby confer the degree of

Associate of Applied Science

Electrician Apprenticeship Technologies

upon

Ray A. Henke

with all honors, rights, and privileges thereunto.

Given at Portland, Oregon this twelfth day of December, 2010

Paul D. Wilcox
Chair, Board of Directors



David Williams
District President

Completion Notice

December 28, 2010



Metro MPE Industrial Trade JATC
PCC CA TEB 103
705 N. Killingsworth St
Portland, OR 97217

Roy A. Lemke
[REDACTED]
[REDACTED]

RE: Committee Action Regarding Your Apprenticeship

Dear Mr. Lemke:

Congratulations! We received confirmation that you passed your electrical license exam. Based upon your successful completion, the Metro Manufacturing Plant Electrician Industrial Trade JATC took action to complete your apprenticeship, agreement # 0778222 at their December 14, 2010 meeting. The committee has notified your employer of this action.

Should you be interested in obtaining an Electrical Technology Apprenticeship AAS Degree of which an electrical license is a component, please utilize the enclosed business card for contact information. There is also a new Certificate available under the new degree and certificate structure that went into effect on July 1, 2008. You will receive up to 22 credits for passing your electrical exam and becoming a MPE journeyman.

Again, Congratulations on passing your exam and completion of the program! Should you have any questions, please feel free to call me at the telephone number listed below. Best of luck in all future endeavors!!

Respectfully,

A handwritten signature in black ink that reads 'Katrina M. Cloud'.

Katrina Cloud, M. Ed
Apprenticeship & Training Specialist
503.978.5651

cc: Warn Industries - Clackamas

www.pcc.edu
P.O. Box 19000
Portland, Oregon
97260-0990

District President
Dr. Preston Pulliams

An Affirmative Action,
Equal Employment
Opportunity Institution



Graduation Eligibility
Graduation Department
(971) 722-7727

Roy A. Lemke
[REDACTED]

****Name and Address Verification****
Please call 971-722-7100 if incorrect.
(To assure that your diploma is printed
and mailed correctly)

FOR OFFICE USE ONLY
Evaluation Results

Dear Roy,

The evaluation of your application for a degree and certificate has been completed and the results are noted below.

You are eligible for graduation, Fall 2010. Your degree and certificate have been awarded.

Please allow approximately 6-10 weeks to receive your diploma.

Thank you,
Mark

Title of Degree or Certificate

<input type="checkbox"/>	Associate of Arts – Oregon Transfer
<input type="checkbox"/>	Associate of Science
<input type="checkbox"/>	Associate of Science – Oregon Transfer in Business
<input type="checkbox"/>	Associate of General Studies
<input checked="" type="checkbox"/>	Associate of Applied Science in: Electrician Apprenticeship Technologies
<input checked="" type="checkbox"/>	Certificate in: Electrician Apprenticeship Technologies
<input type="checkbox"/>	High School Completion

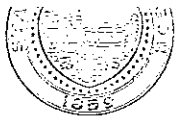
Evaluator: Mark Goldhammer

Date: December 15, 2010

Phone: 971-722-7727

Email: mark.goldhammer15@pcc.edu

Portland Community College, Graduation - Attn: Mark, P.O. Box 19000, Portland, OR 97280-0990



Oregon

Bureau of Labor and Industries

Brad Avakian
Commissioner

February 1, 2011
1018

ROY A LEMKE
[REDACTED]
[REDACTED]

DEAR Mr. LEMKE:

Congratulations on the completion of your apprenticeship program. As you begin the transition from apprentice to skilled journey worker, please accept the enclosed certificate and journey card as evidence of both achievement and proficiency in your chosen trade. Display them with pride!

As the twenty-first century begins, the need for highly-skilled workers is more apparent than ever before. Perhaps nothing is more critical to a nation's vitality and economic well-being than the development of a skilled labor force. Your education and training as an apprentice ensures not only your future in the workplace, but Oregon's ability to remain competitive in a global economy.

We wish you a long and prosperous career, and I know we speak for all Oregonians when we say "thank you" for your many years of hard work--something which will pay dividends well into the future for each and every one of us.

Sincerely,

Brad Avakian, Commissioner
Bureau of Labor and Industries

Stephen Simms, Director
Apprenticeship and Training Division

PORTLAND
800 NE Oregon St. Suite 1045
Portland, OR 97232-2180
(971) 673-0761
Fax (971) 673-0762

SALEM
3865 Wolverine St. NE; E-1
Salem, OR 97305-1268
(503) 378-3292
FAX (503) 373-7636

EUGENE
1400 Executive Parkway, Suite 200
Eugene, OR 97401-7103
(541) 686-7623
FAX (541) 686-7980

BEND
Apprenticeship and Training
Worksource Bend
1645 NE Forbes Rd, Ste 106
Bend, OR 97701-4990
(541) 322-2435
FAX (541) 389-8265

MEDFORD
Apprenticeship and Training
119 N Oakdale Ave.
Medford, OR 97501-2629
(541) 776-6201
FAX (541) 776-6284

PENDLETON
Civil Rights
1327 SE 3rd St.
Pendleton, OR 97801-4101
(541) 276-7884
FAX (541) 276-5767

Oregon Relay TTY:711

www.oregon.gov/boli
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Oregon

Theodore R. Kulongoski, Governor

Department of Consumer and Business Services
Building Codes Division
1535 Edgewater Street NW
PO Box 14470
Salem, OR 97309-0404
(503) 378-4133
FAX (503) 378-2322
<http://bcd.oregon.gov>

September 23, 2010

ROY ALAN LEMKE
[REDACTED]
[REDACTED]

Re: Examination Results

PJ-Ltd Journeyman Manufactured Plant

Result: Pass: [REDACTED]

Congratulations on passing your examination. Your license/certification is valid as of the date of this letter.

License/Certification number: 4998PJ

Keep this letter as a record of initial issuance. Your license will expire 10/01/2011.

Continuing Education credit requirements may change each code cycle. Check our website for the amount of code related and code change continuing education required. You may take all of your required hours in code change. Use our license holder search to check the amount of continuing education posted to your account.

At this time, the PJ-Ltd Journeyman Manufactured Plant is required to obtain **16.00 hours** of Oregon approved continuing education before your expiration date. You have been granted **8.00 hours** of new licensee credit.

A renewal notice will be mailed within six weeks of the expiration date, please keep us informed of your current contact information to ensure you receive notices. If your license is not included, it will be mailed to you within two weeks.



Building Codes Division

Issue Date: 09/12/2011

Expire Date: 10/01/2014

License No: 4998PJ



LTD JOURNEYMAN MANUF
PLANT ELECTRIAN

LEMKE, ROY ALAN

~~RECEIVED~~

~~RECEIVED~~





OREGON

CLASS
C

Expires: 05-24-2014

LEMKE, ROY ALAN

DOB	Issue Date	01-30-2008
Endorsements	Sex	Record Created
M	M	1993
Restrictions	Height	Weight
D	5'07"	170

LEMKE, ROY ALAN



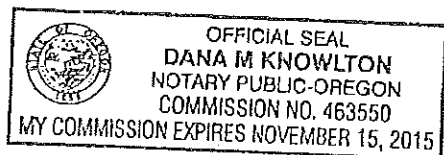
07/19/2013

To Licensing Division:

Roy Lemke was employed at Warn Industries Inc. 12900 SE Capps Rd. Clackamas, OR. 97015 from 8/25/2004 to 8/11/2011. He worked as a journeyman electrician obtaining well over 8000hrs of experience under the direct supervision of David Shaffer State of Oregon Supervising Electrician License #1181PS.

David Shaffer #1181PS

A handwritten signature in cursive script, appearing to read "David Shaffer".



Dana M Knowlton
State of Oregon
7/22/2013

Your query for: 'DAVID SHAFFER' & Profession = Electrical

BCD Search
Results of your search

Displaying 1 - 1 (1 total) |< Prev | Next >|

DAVID SHAFFER

VANCOUVER, WA 98685

County: CLARK

License/Registration No: [REDACTED]

Type: **PS-Ltd Supervising
Electrician**

Status: Active

Expiration Date: 10/01/2013

CE required (CR + CC): 24

Of the total CE required, you must have at least:

12 CC

Currently you have CC: 24

CR: 0

Total CE: 24

CC = Code Change

CR = Code Related

CE = Continuing Education

Displaying 1 - 1 (1 total) |< Prev | Next >|

Total Records Returned: 1

[Go Back to Query](#)

mylic_search.search.get_name_results

[Secretary of State home](#) | [State Archives home](#)

Oregon State Archives

800 Summer St NE Salem OR 97310
503 373 0701 | Mon-Fri: 8am-4:45pm

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[Home](#) [Access the OARs](#) [Oregon Bulletin](#) [Rules Coordinator Resources](#) [Subscriptions](#)

⌂ The Oregon Administrative Rules contain OARs filed through June 15, 2013 ⌂

QUESTIONS ABOUT THE CONTENT OR MEANING OF THIS AGENCY'S RULES?
[CLICK HERE TO ACCESS RULES COORDINATOR CONTACT INFORMATION](#)

DEPARTMENT OF CONSUMER AND BUSINESS SERVICES, BUILDING CODES DIVISION

DIVISION 282

ELECTRICAL AND ELEVATOR LICENSING

Electrical Contractors

918-282-0000

Electrical Contractors in General

(1) An electrical contractor license is a specialized license allowing a company to engage in the business of making electrical installations. This license is in addition to the licensing and bonding required by the Construction Contractors Board.

(2)(a) Generally, the contractor is required to have a full-time general supervising electrician to supervise the electrical work and sign permits; and

(b) Generally, the electrical installations are required to be made by individuals holding an appropriate electrical license.

(3) Exceptions to Sections (1) and (2). Certain statutory exemptions are in ORS 479.540. Different electrical contractor categories and requirements are in ORS 479.630 and this division of rules.

Stat. Auth.: ORS 479.730

Stats. Implemented: ORS 479.730

Hist.: BCD 19-1996, f. 9-17-96, cert. ef. 10-1-96

918-282-0010

Electrical Contractor License

An electrical contractor:

(1) Shall continuously employ at least one full-time general supervising electrician except as otherwise exempted;

(2) Is not authorized to make, direct, supervise or control the making of an electrical installation, unless properly licensed; and

(3) Shall display its electrical license at each of the contractor's places of business. If the contractor has multiple places of business, a facsimile of the license may be posted. The object of this requirement is to display the scope of electrical authority held by the contractor

Stat. Auth.: ORS 479.730

Stats. Implemented: ORS 479.730 & ORS 479.820

Hist.: DC 15-1987, f. & ef. 5-15-87; Renumbered from 814-022-0850; BCD 19-1996, f. 9-17-96, cert. ef. 10-1-96; Renumbered from 918-320-0060

918-282-0015

Electrical Contractor's Responsibilities

Electrical contractors engaged in the business of making electrical installations that require a signing supervising electrician shall assure that all electrical work is made by, or under the direct supervision or control of, a continuously employed full-time signing supervising electrician acting within the scope of their license.

(1) Signing supervising electricians shall perform supervisory duties for only one contractor for which they are registered. Registered signing supervising electricians shall provide direct supervision or control through one of the following:

(a) Be on the job site;

(b) Have on the job site a continuously employed full-time supervising electrician; or

(c) Be available in person, or have a supervising electrician available to meet with the jurisdictional inspector at the job site within two business days following the request.

(2) Electrical contractors who have more than one designated continuously employed full-time signing supervising electrician shall assign only one signing supervising electrician responsibility for the work being performed under each valid permit.

(3) When an electrical contractor has only one designated signing supervising electrician, the electrical contractor may not use a different signing supervising electrician until the designated signing supervising electrician has discontinued the signing supervising electrician responsibilities and written notice has been provided to the division. The electrical contractor shall not continue electrical work until another signing supervising electrician is employed and written notification is provided to the division.

(4) Electrical contractors shall notify the division in writing who their signing supervising electrician(s) is. Notification shall be provided within five days of entering into or termination of that relationship.

(5) Worker leasing companies, as defined in ORS 656.850, shall notify the division within five business days of any contractual relationship or change in a contractual relationship with an electrical contractor. Notification shall include the name of the electrical contractor and a list of employed licensed electricians, including signing supervising electricians, leased to the electrical contractor. Electrical contractors and signing supervising electricians who utilize worker leasing companies are responsible for assuring compliance with the provisions of ORS Chapter 479 and the rules adopted thereunder.

Stat. Auth.: ORS 479.630

Stats. Implemented: ORS 479.730

Hist.: BCD 5-2001, f. 6-7-01, cert. ef. 7-1-01

918-282-0017

Elevator Contractor Electrical License

An elevator contractor licensed under this section:

(1) Shall continuously employ at least one full-time general supervising electrician or limited elevator journeyman to act as a signing supervisor to obtain and sign elevator plan approval permits;

(2) Is limited to electrical work associated with the installation, alteration, repair and maintenance of elevators. This work is limited to the wiring from the load side of the main disconnecting means for the elevator; and

(3) Is authorized to make, supervise, direct or control the making of an electrical installation only if properly licensed.

Stat. Auth.: ORS 479.630 & 479.840

Stats. Implemented: ORS 479.630

Hist.: BCD 21-2002(Temp), f. 8-30-02, cert. ef. 9-1-02 thru 2-27-03; BCD 34-2002, f. 12-20-02, cert. ef. 1-1-03; BCD 12-2004, f. 8-20-04, cert. ef. 10-1-04

918-282-0020

Limited Sign Contractor License

A limited sign contractor:

(1) Shall employ at least one full-time limited journeyman sign electrician;

- (b) May direct, supervise or control these limited types of electrical installations;
- (c) May make repairs or perform work on them without further license;
- (d) Shall provide an updated list of employees annually;
- (e) Shall designate to the division an individual within the firm responsible for compliance with applicable codes and rules; and
- (f) Shall obtain permits and call for inspections.

(2) Installations under this license shall be limited to branch circuit wiring provided from the load side of a disconnect means external to panel boards.

(3) Employees of a limited pump installation specialty contractor need not be licensed.

(4) License and Equivalent Requirements. This license requires proof of one year of experience in residential pump installation, repair and maintenance or equivalent experience as approved by the board. If applicant is a business entity other than a sole proprietorship, the qualification shall be provided by a person designated by the entity. There is no examination for this license.

Stat. Auth.: ORS 479.730

Stats. Implemented: ORS 479.730

Hist.: DC 15-1987, f. & ef. 5-15-87; Renumbered from 814-022-0870; BCD 19-1996, f. 9-17-96, cert. ef. 10-1-96; Renumbered from 918-320-0080

Electrical Licensing Requirements

918-282-0100

Electrical Licensing in General

(1) An electrical license is issued to an individual and allows the holder to make certain regulated electrical installations. Individual electrical licensing laws are in ORS 479.630. The following rules implement the individual electrical licensing laws. Application and examination requirements as well as continuing education and renewal requirements are located in OAR division 30.

(2) When the rules refer to a "valid" electrical license, this means a license issued by the Electrical and Elevator Board that has not expired, or been suspended or canceled.

Stat. Auth.: ORS 479.730 & 455.117

Stats. Implemented: ORS 479.730 & 455.117

Hist.: BCD 19-1996, f. 9-17-96, cert. ef. 10-1-96; BCD 10-2006(Temp), f. 6-30-06, cert. ef. 7-1-06 thru 12-28-06; BCD 13-2006, f. 9-29-06, cert. ef. 10-1-06

918-282-0110

General Licensing Exemptions

In addition to the exceptions provided in ORS 479.540, electrical licenses are not required to:

- (1) Replace light bulbs, fluorescent tubes or approved fuses, or to connect approved portable electrical equipment to permanently installed and properly wired receptacles;
- (2) Do experimental electrical work or testing of electrical products in electrical shops, educational institutions, industrial plants or recognized testing laboratories;
- (3) Operate, maintain, repair and replace broadcast equipment of commercial radio and television stations; or
- (4) Install limited energy systems not exceeding 100 voltampere ("VA") in Class 2 and 3 systems limited to:
 - (a) Single station smoke or ionization detectors installed in buildings three stories or less in height;
 - (b) Closed circuit television systems installed in buildings three stories or less in height;
 - (c) Master Antenna Television ("MATV") systems installed in buildings three stories or less in height; or

(d) Intercom and audio systems installed in one- and two-family dwellings.

Stat. Auth.: ORS 479.730 & 455.117

Stats. Implemented: ORS 479.730 & 455.117

Hist.: DC 15-1987, f. & ef. 5-15-87; Renumbered from 814-022-0800; BCD 9-1996, f. 9-17-96, cert. ef. 10-1-96; Renumbered from 918-320-0010; BCD 18-1999, f. 12-30-99, cert. ef. 1-1-00; BCD 23-2000, f. 9-29-00, cert. ef. 10-1-00; BCD 26-2002, f. & cert. ef. 10-1-02; BCD 8-2005, f. & cert. ef. 4-1-05; BCD 11-2006(Temp), f. 6-30-06, cert. ef. 7-1-06 thru 12-28-06; BCD 13-2006, f. 9-29-06, cert. ef. 10-1-06

918-282-0120

Licensing Requirements for Electrical Work

(1) No person or entity shall allow any individual to perform electrical work for which the individual is not properly registered or licensed.

(2) Owners, managers or agents of facilities having electrical employees shall report in writing to the division and the authority having jurisdiction, the names and license numbers of limited supervising manufacturing plant or limited maintenance electricians employed.

Stat. Auth.: ORS 479.730

Stats. Implemented: ORS 479.730

Hist.: DC 10, f. 4-13-72, ef. 5-1-72; DC 12-1981, f. 9-29-81, ef. 10-1-81; DC 10-1982, f. & ef. 3-1-82; Renumbered from 814-022-0120; BCA 2-1992(Temp), f. 2-28-92, cert. ef. 3-18-92; BCA 11-1992, f. & cert. ef. 6-26-92; BCD 19-1996, f. 9-17-96, cert. ef. 10-1-96; Renumbered from 918-260-0180; BCD 23-2000, f. 9-29-00, cert. ef. 10-1-00

918-282-0130

Fees

The division charges an application and license renewal fee as specified in ORS 479.840.

Stat. Auth.: ORS 479.730

Stats. Implemented: ORS 479.730

Hist.: DC 15-1987, f. & ef. 5-15-87; Renumbered from 814-022-0830; BCD 19-1996, f. 9-17-96, cert. ef. 10-1-96, Renumbered from 918-320-0040; BCD 17-2007, f. 12-28-07, cert. ef. 1-1-08

918-282-0140

General Supervising Electrician License

(1) A general supervising electrician when working for or as an electrical contractor requiring a signing supervisor:

(a) Directs, supervises, makes, or controls the making of electrical installations;

(b) May design, plan, and lay out work for the customers of the contractor with whom the supervising electrician is continuously employed; and

(c) Is the only individual authorized to direct, supervise, or control the installation or alteration of an electrical service.

(2) The general signing supervising electrician must:

(a) Sign all permits;

(b) Ensure all electrical installations meet minimum safety standards;

(c) Be continuously employed as a general supervising electrician on the electrical contractor's regular payroll and be available during working hours to carry out the duties of a supervising electrician under this section;

(d) Ensure proper electrical safety procedures are used;

(e) Ensure all electrical labels and permits required to perform electrical work are used and signed;

(f) Ensure electricians have proper licenses for the work performed, and may not permit either by assent or by failure to prevent, an individual to perform work for which they are not properly licensed;

(g) Comply with corrective notices issued by the inspecting authority;

(h) Notify the division in writing within five days if the signing supervising electrician terminates the relationship with the electrical contractor; and

(i) Not act as a supervising electrician for more than one employer.

(3) Supervising electricians who fail to comply with the provisions of this rule through act or omission may be subject to penalties. Penalties include, but are not limited to, fines, license conditioning, suspension, and revocation.

(4) If the general supervising electrician leaves the employment of the general electrical contractor or employer, electrical work which requires a general supervising electrician shall not be conducted until a replacement general supervising electrician is employed and written notice designating the supervising electrician is given to the division.

(5) License and Equivalent Requirements:

(a) The licensing requirements for a general supervising electrician are set out in ORS 479.630.

(b) To comply with the experience requirements, a non-journeyman applicant relying on equivalent experience shall provide proof that applicant had:

(A) Qualifying experience to become a journeyman electrician, that is at least 8,000 hours of work experience with sufficient minimum hours in each area set out in OAR 918-282-0170; and

(B) Additional qualifying experience as a journeyman, that is at least 8,000 hours of work experience that is equivalent to journeyman work.

(c) A licensed journeyman only needs to document 8,000 hours of experience as a journeyman.

Stat. Auth.: ORS 455.117 & 479.730

Stats. Implemented: ORS 479.620, 479.630 & 479.730

Hist.: DC 15-1987, f. & ef. 5-15-87; Renumbered from 814-022-0880; BCA 28-1989, f. & ef. 12-7-89; BCD 8-1996(Temp), f. & cert. ef. 6-14-96; BCD 19-1996, f. 9-17-96, cert. ef. 10-1-96, Renumbered from 918-320-0090; BCD 3-2009, f. 6-29-09, cert. ef. 7-1-09

918-282-0150

Employment Requirements for Supervising Electricians Employed by Industrial or Manufacturing Plant

(1) Owners, managers or agents of an industrial or manufacturing plant, hospital, sewer plant, water plant, commercial office building, building occupied by the state or a local government entity or an institution employing individuals who install electrical wiring or equipment shall employ on regular payroll a registered professional electrical engineer, a general supervising electrician or a limited supervising electrician:

(a) To supervise, direct or control this work; and

(b) Who may also install, maintain, repair, or replace electrical wiring and electrical products as licensed.

(2) The general supervising electrician, limited supervising electrician or registered professional electrical engineer may be relieved from responsibility for future work under any permit signed by the supervising electrician or registered professional electrical engineer, if electrician or engineer has left or been discharged from the employ of a licensed electrical contractor or industrial plant, provided that notice in writing of termination is filed with the division within five days by the general supervising electrician, limited supervising electrician or registered professional electrical engineer.

(3) The license or authority of the employer to continue with the electrical work shall, without further order or action by the division, be suspended until another general supervising electrician, limited supervising electrician or registered professional electrical engineer is employed and written notice given to the division by the general supervising electrician, limited supervising electrician or registered professional electrical engineer.

Stat. Auth.: ORS 479.730

Stats. Implemented: ORS 479.730

Hist.: DC 10, f. 4-13-72, ef. 5-1-72; DC 12-1981, f. 9-29-81, ef. 10-1-81; DC 10-1982, f. & ef. 3-1-82; Renumbered from 814-022-0115; BCD 19-1996, f. 9-17-96, cert. ef. 10-1-96; Renumbered from 918-260-0170

918-282-0160

Limited Supervising Electrician License

(1) A limited supervising electrician may:

- (a) Direct, supervise, make or control the making of electrical installations limited to installation, maintenance, replacement and repair of electrical wiring and electrical products on or in an existing, operable manufacturing or industrial plant, hospital, sewer plant, water plant, commercial office building, building owned or operated by the state or a local government facility designated by the board or an institution owned or operated by the licensee's employer; and
- (b) Design, plan and lay out work for the employer; and
- (c) Shall sign all permits;
- (d) Shall ensure electrical installations meet minimum safety standards; and
- (e) Is not authorized to install or perform work on service equipment.

(2) License and Equivalent Requirements. The four-year experience requirement can be met by four years of experience as a limited journeyman manufacturing plant electrician.

Stat. Auth.: ORS 479.730

Stats. Implemented: ORS 479.730

Hist.: DC 15-1987, f. & ef. 5-15-87; Renumbered from 814-022-0890; BCA 28-1989, f. & ef. 12-7-89; BCD 19-1996, f. 9-17-96, cert. ef. 10-1-96; Renumbered from 918-320-0100

918-282-0170

General Journeyman License

(1) A general journeyman:

- (a) Is authorized to make any electrical installation; and
 - (b) Shall work under the supervision, direction and control of a general supervising electrician unless doing the type of work that may be supervised, directed or controlled by a person holding a specific limited supervising electrician license, or the type of work requiring no supervision.
- (2) A general journeyman working in a manufacturing or industrial plant without a supervising electrician or engineer is limited to maintenance work.

(3) License and Equivalent Requirements.

(a) Applicants for acceptance under equivalent requirements shall show proof of the following work categories and minimum hours of on-the-job training or experience:

(A) Stock room and material handling, 100 hours:

- (i) Shop;
- (ii) Service.

(B) Residential Wiring, 1,000 hours:

- (i) Service and panel;
- (ii) Conduit, flex, romex boxes, electric heating systems;
- (iii) Wire pulling and taps;
- (iv) Wiring devices and fixtures;
- (v) Remodel and finish work.

(C) Commercial Installations, 1,000 hours:

- (i) Services, switchboards and panels;

- (ii) Conduit, flex, metal moldings, floor duct and boxes;
 - (iii) Wire pulling and taps;
 - (iv) Wire devices;
 - (v) Lighting fixtures - high voltages, explosion proof, perimeter lighting.
 - (D) Industrial Installations, 1,000 hours:
 - (i) Services, switchboards and panels;
 - (ii) Conduit, tray and boxes;
 - (iii) Wire pulling and taps;
 - (iv) Motor and equipment installations;
 - (v) Lighting fixtures - High voltage, explosion proof, security lighting.
 - (E) Intercommunication, Signal and Control Systems, 500 hours;
 - (F) Underground Construction, 100 hours:
 - (i) Tunnel rack work;
 - (ii) Ditch digging and material handling;
 - (iii) Conduit preparation.
 - (G) Trouble Shooting and Maintenance, 250 hours;
 - (H) Finishing and Fixture Hanging, 50 hours;
 - (I) Total Minimum Subject Hours, 4,000.
- (b) Total Hours Required. Total electrical work experience shall be at least 8,000 hours. No more than 300 percent credit shall be allowed for subjects (A) through (H) for any one subject;
- (c) Related Training Classes. Applicants shall submit transcripts with passing grades of "C" or better in graded classes and a "pass" in non-graded classes in the following related electrical training classes:
- (A) Electrical mathematics;
 - (B) Safety and accident prevention;
 - (C) Care and use of hand and power tools;
 - (D) Blueprint reading and electrical symbols;
 - (E) Introduction to National Electrical Code;
 - (F) Electrical fundamentals and basic theory, including AC and DC;
 - (G) Electrical measuring devices;
 - (H) Wiring methods;
 - (I) Low voltage and limited energy circuits;
 - (J) Residential, industrial and commercial calculations;
 - (K) Motors, generators and transformers;
 - (L) Practical circuit sketching;
 - (M) Lighting circuits;

(N) Fundamentals of electronics;

(O) High voltage distribution and equipment.

[Publications: Publications referenced are available from the agency.]

Stat. Auth.: ORS 479.730

Stats. Implemented: ORS 479.730

Hist.: DC 15-1987, f. & ef. 5-15-87; Renumbered from 814-022-0900; BCD 19-1996, f. 9-17-96, cert. ef. 10-1-96; Renumbered from 918-320-0110; BCD 23-2000, f. 9-29-00, cert. ef. 10-1-00

918-282-0180

Limited Residential Electrician License

Limited Residential Electrician License

(1) A limited residential electrician:

(a) Makes electrical installations on one- or two-family or multi-family dwelling units, not exceeding three floors above grade; and

(b) Shall work under the supervision, direction and control of a general supervising electrician.

(2) License and Equivalent Requirements.

(a) Applicants for acceptance under equivalent requirements shall show proof of the following work categories and minimum hours of on-the-job training or experience:

(A) Stock room and Material handling, 100 hours:

(i) Shop;

(ii) Service.

(B) New Residential Wiring, 2,000 hours:

(i) Service and panel;

(ii) Conduit, flex, romex boxes, electric heating systems;

(iii) Wire pulling and taps.

(C) Intercommunication, Signal and Control System, 50 hours;

(D) Underground Installation, 100 hours:

(i) Ditch digging;

(ii) Material handling;

(iii) Conduit preparation.

(E) Trouble shooting, 200 hours;

(F) Remodeling, 500 hours;

(G) Finishing and Fixture Hanging, 200 hours.

(c) Total Hours Required. Total electrical work experience shall be at least 4,000 hours. No more than 300 percent credit shall be allowed for subjects (A) through (G) for any one subject;

(d) Related Training Classes. Applicants shall submit transcripts with passing grades of "C" or better in graded classes and a "pass" in non-graded classes in the following related electrical training classes:

(A) Electrical mathematics;

(g) Car frames, platforms and enclosures-- 500 hours;

(h) Doors, entrances and operators -- 500 hours;

(i) Construction wiring and practices -- 800 hours; and

(j) Adjusting elevator systems -- 200 hours;

(k) Maintenance, circuit tracing, trouble-shooting, test equipment, periodic testing requirements -- 1,000 hours;

(l) Alteration of existing equipment 1,000 hours;

(m) Structure and operation of escalators and moving walks -- 500 hours; and

(n) Related industry equipment 500 hours.

(4) Additionally applicants shall submit transcripts with passing grade of 70-percent or better in graded classes and a "pass" in non-graded classes in the following related training classes;

(a) Basic construction and maintenance safety;

(b) Blueprint reading;

(c) Code-related requirements;

(d) Equipment testing procedures;

(e) Guide rail systems installation and maintenance;

(f) Pit equipment and maintenance;

(g) Car frames, platforms and enclosures;

(h) Hoisting and rigging;

(i) Overhead equipment including beams and sheaves;

(j) Hoist ropes and roping procedures;

(k) Structure and operation of escalators and moving walks;

(l) Drive machines and components;

(m) Hydraulic systems and control valves;

(n) Traction machines and components;

(o) Basic electrical theory;

(p) Circuit tracing;

(q) Basic electronics and solid state theory;

(r) Construction wiring and practices; and

(s) Electrical code and safety training.

Stat. Auth.: ORS 479.630

Stats. Implemented: ORS 479.630

Hist.: BCD 21-2002(Temp), f. 8-30-02, cert. ef. 9-1-02 thru 2-27-03; BCD 34-2002, f. 12-20-02, cert. ef. 1-1-03; BCD 12-2004, f. 8-20-04, cert. ef. 10-1-04; BCD 13-2006, f. 9-29-06, cert. ef. 10-1-06

918-282-0190

Limited Journeyman Manufacturing Plant Electrician License

(1) A limited journeyman manufacturing plant electrician:

(a) Installs, maintains, replaces and repairs electrical wiring and electrical products on or in an existing and operable manufacturing or industrial plant owned or used by the licensee's employer; and

(b) Is limited to repair and maintenance work if no supervising electrician or engineer is employed.

(2) License and Equivalent Requirements.

(a) Applicants for acceptance under equivalent requirements shall show proof of the following work categories and minimum hours of on-the-job training or experience:

(A) Installation of electrical circuits, 1,000 hours;

(B) Motors and generators, 500 hours:

(i) Dismantling and checking physical conditions;

(ii) Assembly and testing;

(iii) Repair and maintenance;

(iv) Internal and external connections to change direction of rotation and speed and for change of supply of voltage;

(v) Motor setting, drives, pulley, gears, coupling devices;

(vi) Related mechanical equipment: Traction units, cranes, winches and hoists.

(C) Manual and automatic controls, including magnetic and solid state, 1,000 hours;

(D) Trouble Shooting, 500 hours:

(i) Circuit analysis;

(ii) Use of test equipment;

(iii) Emergency repairs for temporary maintenance of service.

(E) Power distribution, 1,000 hours:

(i) Inside and outside, high and low voltage distribution systems, maintenance and replacement;

(ii) Transformer connecting, testing and repairing;

(iii) Switch gear and load centers, maintenance and repair;

(iv) Wiring, maintenance, repair and adjustment of control panels, instruments and relays.

(b) Total Hours Required. Total experience shall be at least 8,000 hours. No more than 300 percent credit shall be allowed for subjects (A) through (E) for any one subject.

(c) An applicant may substitute up to 1,000 hours of experience of any two or more of the following, provided the hours in any one subject are at least the minimum specified. Substituted experience shall be only for work experience beyond the 4,000-hour minimum category hours:

(A) Welders, welding, 100 hours:

(i) Soldering, brazing, welding (acetylene);

(ii) Welding (electric);

(iii) Maintenance and repair of welding equipment.

(B) Electric furnaces, 200 hours:

(i) Forming electrodes;

(ii) Mounting and connecting electrodes;

(iii) Operation of equipment;

(iv) Controls.

(C) Rectifiers, 100 hours:

(i) Installing, replacing and testing rectifier units;

(ii) Repairing related equipment.

(D) Meters, 100 hours:

(i) Testing meters;

(ii) Rebuilding meters;

(iii) Minor repairs;

(iv) Installation;

(v) Calibration.

(E) Batteries, 100 hours:

(i) Handling, testing, storing, maintenance;

(ii) Minor repairs, terminals, case electrolyte;

(iii) Rebuilding.

(F) Signal systems, 100 hours:

(i) Installations;

(ii) Testing;

(iii) Service (minor);

(iv) Overhaul.

(G) Lighting, 300 hours:

(i) Maintenance of indoor and outdoor lighting, general and special;

(ii) Set-up, operation, maintenance, dismantling, and storing of temporary and emergency lighting and portable power plants.

(d) Related Training Classes. Applicants shall submit transcripts with passing grades of "C" or better in graded classes and a "pass" in non-graded classes in the following related electrical training classes:

(A) Electrical mathematics;

(B) Safety and accident prevention;

(C) Care and use of hand and power tools;

(D) Blueprint reading and electrical symbols;

(E) Introduction to **National Electrical Code**;

(F) Electrical fundamentals and basic theory, including AC and DC;

(G) Electric measuring devices;

(H) Wiring methods;

(I) Low voltage and limited energy circuits;

(J) Industrial and commercial calculations;

(K) Motors, generators and transformers;



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVE ARWOOD
DIRECTOR

August 22, 2013

E-13-46

TO: Members of the State Electrical Administrative Board
FROM: Dan O'Donnell, Chief, Electrical Division
SUBJECT: Journeyman electrician examination application

APPLICANT REPRESENTATIVE:

Mark D. Nickolauson

PROJECT:

N/A

AUTHORITY:

The Michigan Electrical Administrative Act, 1956 PA 217 of the Michigan Compiled Laws.

The Electrical Administrative Board General Rules

REQUEST:

Request to petition the Electrical Administrative Board to sit for the journeyman electrician examination.

APPLICABLE RULE:

1956 PA 217, MCL 338.883a Sec. 3a. (c), MCL 338.883d Sec. 3d. (1), (a), (b), (c), (d), Administrative Board General Rules R338.1005a Rule 5a. (1), (2), (3), R338.1006a Rule 6a (1), (3), (4).

FINDINGS:

Mr. Nickolauson submitted an application to sit for the journeyman electrician examination. The information submitted by Mr. Nickolauson indicates that he completed

Providing for Michigan's Safety in the Built Environment

an electrical apprenticeship under the sponsorship of Riviera Electric in the State of Colorado and received a certificate of completion from the United States Department of Labor Bureau of Apprenticeship and Training in June of 1997. Mr. Nickolauson's information also indicates that he qualified for and passed the journeyman electrician examination in Colorado and was issued his license in June of 1997.

RECOMMENDATION:

In accordance with the acts and rules listed above staff concludes that Mr. Nickolauson meets the requirements to sit for the State of Michigan journeyman electrician examination and recommends that the board approve his application.



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVE ARWOOD
DIRECTOR

Date Mailed from BCC: 8/6/2013

Mark D. Nickolauson
[REDACTED]
[REDACTED]

Document E-13-46
Exam Applicant Review

NOTICE OF MICHIGAN ADMINISTRATIVE ELECTRICAL BOARD MEETING

You are hereby notified that in accordance with the Administrative Procedures Act, 1969 PA 306, MCL 24.201 *et seq.*, and the Electrical Administrative Act being 1956 PA 217 MCL 338.881 *et seq.*, you are scheduled to appear before the Michigan Electrical Administrative Board on:

Date: August 22, 2013
Time: 9:30 a.m.
Location: Department of Licensing and Regulatory Affairs
Bureau of Construction Codes
2501 Woodlake Circle, Conference Room 3
Okemos, MI 48864

This notice is to provide you the opportunity to provide testimony to the board regarding your experience and eligibility to sit for the journeyman electrician exam. If you wish to offer any document(s) into evidence, you must file the documentation with the Electrical Division prior to the meeting or bring fifteen (15) copies of the information you wish to enter for the board's consideration. In the event you are unable to attend the meeting or you choose not to appear before the board, please contact the Electrical Division in advance of the meeting. In the event that you fail to appear at the meeting as scheduled, a decision may be entered in your absence.

Accompanying this notice is a report outlining our findings and recommendation based upon the Electrical Administrative Act being 1956 PA 217 MCL and the documentation you have provided at the time of mailing. Any questions regarding this matter may be directed to the Electrical Division at (517) 241-9320.


Dan O'Donnell, Chief, Electrical Division

8-6-2013
Date

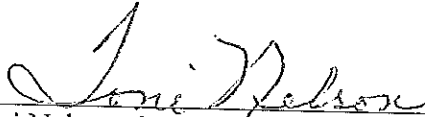
Providing for Michigan's Safety in the Built Environment

LARA is an equal opportunity employer
Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.
P.O. BOX 30254 • LANSING, MICHIGAN 48909
www.michigan.gov/bcc • Telephone (517) 241-9302 • Fax (517) 241-9570

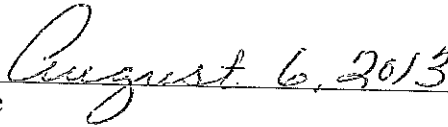
Exam Applicant Review
Mark D. Nickolauson
Document No. E-13-46
August 22, 2013
Page 2 of 4

PROOF OF SERVICE

I hereby state, to the best of my knowledge, information, and belief, that a copy of the foregoing document was served on this date upon all parties and/or attorneys of record in this matter by email to those parties employed by the State of Michigan and by first class mail to the remaining parties at their respective addresses as disclosed below.



Toni Nelson, Secretary
Electrical Division
Bureau of Construction Codes



Date

Mark D. Nickolauson



BCC Administration

Application for Journeyman Electrician Examination
Michigan Department of Licensing and Regulatory Affairs
Bureau of Construction Codes / Electrical Division
P.O. Box 30255, Lansing, MI 48909
517-241-9320
www.michigan.gov/bcc

103

Agency Use Only

Examination Fee: \$100.00 (nonrefundable)

Authority: 1956 PA 217 Completion: Mandatory Penalty: Examination will not be given	LARA is an equal opportunity employer/program. Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.
-------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Instructions: To be eligible to make application for and take this examination an applicant shall meet the following criteria:

- Complete and sign application. Type or print in ink.
- Application and fee must be received 20 business days prior to the examination date.
- Applicant must not be less than 20 years of age.
- Provide **original notarized** documentation from present or former employers to the effect that the applicant has not less than 8,000 hours of practical experience obtained over a period of not less than 4 years related to electrical construction or electrical maintenance of buildings under direct supervision of a person licensed pursuant to the act. Documentation must include the beginning (month, day, year) to ending (month, day, year) dates of employment. The 8,000 hours of practical work experience over 4 years must be attained prior to the deadline date for submitting documentation. **Notarized**, original documentation must be on employers' letterhead stationery and provide dates of employment and hours worked under licensed supervision and signed by the qualified master electrician.
- Enclose a check made payable to the **State of Michigan**.
- Mail completed application, required documents, and payment to the address listed above.

Information

Applicants are permitted one examination for the \$100.00 fee. Upon achieving a minimum passing score of 75% or higher, the applicant will be billed \$40.00 for the journeyman electrician license prior to issuance of the license. Failure of examination 2 times within 2 years requires 1 year waiting period from the date of the second failure and proof of successful completion of a course on code, electrical fundamentals or theory to be eligible for reexamination. Examination fee is forfeited upon failure to appear for scheduled examination unless written explanation is received within 10 business days of the examination.

Examination Eligibility of Applicants From Other States or Countries

A person who is licensed as a journeyman electrician in another state or country may qualify for examination upon determination by the board that the license was obtained by the person through substantially the same or equal requirements as those of the state of Michigan in accordance with the provisions of section 3a of the act.

Applicant Information

NAME (Last Name, First Name, Middle Initial) Nikolaus, Mark, D		DATE OF BIRTH [REDACTED]	LAST 4 DIGITS OF SOCIAL SECURITY NUMBER* XXX-XX-[REDACTED]
ADDRESS [REDACTED]	CITY [REDACTED]	TOWNSHIP [REDACTED]	
COUNTY [REDACTED]	STATE MI	ZIP CODE [REDACTED]	TELEPHONE NUMBER (include Area Code) [REDACTED]

Have you previously taken this examination? ☐ Yes ☒ No

Cell [REDACTED]

If examination was not administered by the State Electrical Division provide the licensing entity:

City of _____ Township of _____

Examination Site

Examinations are given at the sites listed below. Refer to the enclosed "Schedule of Electrical Board Meetings and Licensing Examinations" for examination dates. Please check below the site you wish to be examined at and indicate a preference of examination month. If approved for examination, an admission card will be mailed to you approximately 10 days prior to the examination date. If the examination you have selected is full, you will be scheduled for the next available examination at your preferred site.

Preferred Site

☒ Lansing

☐ Escanaba

Preferred Month

August

If you have a disability and require an accommodation to take the examination, please submit written documentation from a professional (education professional, doctor, psychologist, psychiatrist) to certify that your disabling condition requires the requested test accommodation. Forms are available from this office.


*This information is confidential. Disclosure of confidential information is protected by the Federal Privacy Act.

Experience Record (attach additional sheets if necessary)

NAME OF CURRENT EMPLOYER		DATES OF EMPLOYMENT (MM/DD/YY)	
ADDRESS	CITY	BEGINNING:	ENDING:
		STATE	ZIP CODE
TYPE OF WORK PERFORMED			
NAME OF EMPLOYER		DATES OF EMPLOYMENT (MM/DD/YY)	
The Way International			
ADDRESS	CITY	BEGINNING:	ENDING:
19100 E Shelby Rd	New Knoxville	Aug 2010	July 2013
		STATE	ZIP CODE
		OH	45821
TYPE OF WORK PERFORMED			
Lighting Tech			

Certification and Signature of Applicant

I certify the information provided is true and accurate to the best of my ability and I have the experience required for this examination.
 I further understand fraud or deceit in obtaining a license is grounds for administrative action in accordance with the act.

APPLICANT'S SIGNATURE	DATE
	

Agency Use Only

Approved for Exam ☐ Yes ☐ No

Date of Exam	Score	Absent	Date of Exam	Score	Absent

Date Approved by EAB _____

Validation Area

July 19, 2013

To whom it my concern:

I, Johnny J Claus, worked for Riviera Electric from May 1989 to March 1999. Riviera Electric had its main office in Denver Colorado with a branch office in Colorado Springs, Colorado. During my years at Riviera I held a State of Colorado Journeyman's license, no 8911. In June of 1995 I obtained my State of Colorado Master's license, no 5180. A lot of my time with Riviera was in the Special Projects Department as a Superintendent / Forman.

Mark Nickolauson started with Riviera Electric in May of 1994 as a State of Colorado registered electrical apprentice. He worked for me during the days and attended apprenticeship classes after hours at Riviera's training facility. Riviera Electric specialty was commercial / industrial electrical work. Mark work for me at places like Digital Equipment Corporation and United Technology at Hamilton Standard.

Duties were-electrical panel / switchgear installs, installing electrical conduct, pulling wire, installation of lighting, electrical devices, fire alarm, motors, control wiring, hooking up electrical equipment but not limited to these tasks.

In September of 1997 I transferred to Eastman Kodak at the Windsor Colorado facility with Riviera Electric. In March of 1999 I then went to work for Eastman Kodak. Riviera Electric sold and went out of business in 1999.

Colorado requires a minimum of 2000 hours per year for 4 years to be able to qualify to take the Electrical exam.

Enclosed is a copy of my recent electrical licenses. You may contact me at [REDACTED] for any other information I can help you with. I am currently the master electrician at Medical Center of the Rockies in Loveland, Colorado.


Sincerely,



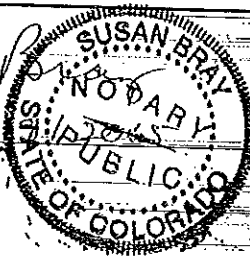
Johnny J Claus

Subscribed and sworn to before me in the County of Larimer, State of Colorado, this 19th day of July 2013. Witness my hand and official Seal.

Notary Public



My Commission expires 3/1





Certificate of Completion

Fourth Year Apprenticeship Class

Presented to Mark Nicholson

June 1997

Donald G. White

Donald G. White, President

Dean Brown

Instructor

The United States Department of Labor



Bureau of Apprenticeship and Training Certificate of Completion of Apprenticeship

This is to certify that

MARK NICKOLAUSON

has completed an apprenticeship for the occupation

ELECTRICIAN

under the sponsorship of
**RIVERA ELECTRIC, INC.
ENGLEWOOD, COLORADO**

*in accordance with the basic standards of apprenticeship
established by the Secretary of Labor*

Donald H. White

JUNE 28, 1997

Date Completed

Ron T. Kil

Secretary of Labor

Anthony S. Suroaga
Director, Bureau of Apprenticeship and Training

**Dora**
Department of Regulatory AgenciesBarbara J. Kelley
Executive DirectorLookup Detail View

Name and Address

Name	Public Address
Johnny J. Claus	[REDACTED]

Credential Information

License Number	License Method	License Type	License Status	Original Issue Date	Effective Date	Expiration Date
ME.0005180	Examination	Master Electrician	Active	03/27/1996	10/01/2011	09/30/2014

Supervision

Relationship	Supervisor/Supervisee	License	Start Date	Relationship Type
Supervises	Medical Center of the Rockies	EC.0007363	08/27/2007	Responsible Individual

Board/Program Actions

Discipline
There is no Discipline or Board Actions on file for this credential.

Generated on: 7/29/2013 2:43:23 PM

**Dora**
Department of Regulatory AgenciesBarbara J. Kelley
Executive DirectorLookup Detail View

Name and Address

Name	Public Address
Johnny J. Claus	[REDACTED]

Credential Information

License Number	License Method	License Type	License Status	Original Issue Date	Effective Date	Expiration Date
JW.0008911	Examination	Journeyman Electrician	Expired	03/20/1987	03/01/2009	09/30/2011

Board/Program Actions

Discipline
There is no Discipline or Board Actions on file for this credential.

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STATE OF COLORADO
Department of Regulatory Agencies
Division of Registrations

ACTIVE
MASTER ELECTRICIAN

PRINTED ON SECURE PAPER

5180 Number	10/01/2011 Issue Date	09/30/2014 Expires
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Johnny J. Claus
[REDACTED]
United States

Johnny J. Claus

STATE OF COLORADO
Department of Regulatory Agencies
Division of Registrations

ACTIVE
ELECTRICAL CONTRACTOR

PRINTED ON SECURE PAPER

7363 Number	10/01/2011 Issue Date	09/30/2014 Expires
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Medical Center of the Rockies
Johnny J. Claus
[REDACTED]
United States

Johnny J. Claus

**Dora**
Department of Regulatory AgenciesBarbara J. Kelley
Executive DirectorLookup Detail View

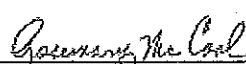
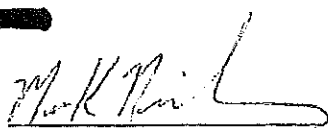
Name and Address	
Name	Public Address
Mark David Nickolauson	[REDACTED]

Credential Information						
License Number	License Method	License Type	License Status	Original Issue Date	Effective Date	Expiration Date
JW.0100569	Examination	Journeyman Electrician	Active	06/28/1997	10/01/2011	09/30/2014

Board/Program Actions
Discipline
There is no Discipline or Board Actions on file for this credential.

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TED STRICKLAND, GOVERNOR
 Carolyn J. Williams, Registrar, BCT
 75021940514-00100
 USA DRIVER LICENSE
 NICKOLAUSON
 MARK
 [REDACTED]
 LICENSE NO. [REDACTED] BIRTHDATE [REDACTED]
 CLASS & EXPIRES D 11-29-2013 ENDORS 12A257P A
 15 Sec 44, 44P, 6-00, 1W, 200
 12 E, 12 BLU, 12 BRO
 [Signature]

STATE OF COLORADO		
Department of Regulatory Agencies		
Division of Registrations		
ACTIVE		PRINTED ON SECURE PAPER
JOURNEYMAN ELECTRICIAN		
100569 Number	10/01/2011 Issue Date	09/30/2014 Expires
Mark David Nickolauson		
[REDACTED]		
United States		
 Gary M. Cook Director		 Mark David Nickolauson Signature



Home Electrical Board Licensing Requirements

Licensing Requirements

New Examination Vendor

On Friday, January 25, 2013, the Board transitioned to a new testing agency, PSI. This office has transferred currently approved exam candidate files to PSI.

We do not foresee any transition difficulties or examination delays, however, if you are unable to schedule an examination with PSI, contact the Office of Licensing at 303-894-7800.

+ Licensing By Examination + License By Endorsement

- Electricians licensed in another state may qualify for licensure by endorsement if the applicant has substantially equivalent credentials and qualifications to those required in Colorado for licensure by examination. In addition, applicants are required to:
 - Submit a completed Colorado State Electrical Board Application for License by Endorsement.
 - Submit the application processing fee (non-refundable).
 - Provide Affidavit of Experience Forms of electrical experience obtained.
 - Submit a letter from the state licensing agency that issued your license, which must:
 - Verify that you hold a comparable and state issued license.
 - Verify that your license was obtained by examination.
 - A list of the categories covered on the exam which includes:
 - A breakdown of percentages for each category covered in the specific examination you took
 - The edition of the N.E.C. used for the examination. (Your original license examination must have been based on the current edition of the N.E.C. in effect at the time of application).
 - A list of the experience requirements for the license, and verification that these requirements were met.

+ License by Reciprocal Agreement

Adobe Acrobat Reader is required in order to view and print many of these materials. If you do not have Adobe Acrobat Reader, download the latest free version directly from the Adobe website, or convert a document to text

- RESIDENTIAL WIREMAN

JOURNEYMAN ELECTRICIAN

MASTER ELECTRICIAN

VERIFICATION OF EXPERIENCE FORM

Exam Information

NOTE: Positive photo identification must be presented at the time of admission to the electrical examination.

Temporary Work Permit

FYI: Electrical Contractors can manage their electrical apprentice registration needs online by using Online Services.

Please be advised that in accordance with the Colorado Electrical Law, any individual employed in the electrical trade is considered an apprentice and must be registered until such time as the individual has actually obtained a Colorado electrician's license.

JOURNEYMAN RECIPROCAL AGREEMENTS: Colorado has journeyman electrician reciprocal licensing agreements with the following states: : Alaska, Arkansas, Minnesota, Montana, Nebraska, New Hampshire, New Mexico, North Dakota, Oklahoma, South Dakota, Utah, and Wyoming.

Applicants for a Colorado journeyman reciprocal license are required to submit a completed State of Colorado Application for License by Endorsement, the application processing fee*, and a copy of their qualifying license. Licensing applications are available on the Electrical Professionals tab.

- Fees are non-refundable and are subject to change every year on July 1.

Applicants must have obtained a journeyman electrician certificate of competency or license by passing a mandatory examination after completing either a four-year apprenticeship program; or four years of equivalent experience as determined by the licensing state.

Applicants must hold a journeyman electrician license or certificate or higher classification from a participating state. The license or certificate must be current, active, and in good standing.

Colorado electricians applying for a reciprocal license in a participating state must contact that state for specific requirements and fees.

Contact

1560 Broadway, Suite 1350, Denver, CO 80202 Email
(303) 894-7800 - Phone (303) 894-7693 - Fax



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVE ARWOOD
DIRECTOR

August 22, 2013

E-13-47

TO: Members of the State Electrical Administrative Board
FROM: Dan O'Donnell, Chief, Electrical Division
SUBJECT: Journeyman electrician examination application

APPLICANT REPRESENTATIVE:

Carlos T. Payne

PROJECT:

N/A

AUTHORITY:

The Michigan Electrical Administrative Act, 1956 PA 217 of the Michigan Compiled Laws.

The Electrical Administrative Board General Rules

REQUEST:

Request to petition the Electrical Administrative Board to sit for the journeyman electrician examination.

APPLICABLE RULE:

1956 PA 217, MCL 338.883a Sec. 3a. (c), MCL 338.883d Sec. 3d. (1), (a), (b), (c), (d), Administrative Board General Rules R338.1005a Rule 5a. (1), (2), (3), R338.1006a Rule 6a (1), (3), (4).

FINDINGS:

Mr. Payne submitted an application to sit for the journeyman electrician examination. The documentation submitted by Mr. Payne indicates that he completed a 4 year

Providing for Michigan's Safety in the Built Environment

electrical apprenticeship consisting of 8000 hours of electrical experience as well as 144 hours of classroom instruction per year sponsored by Kuhls Electric, a licensed electrical contractor in the State of Arizona. Mr. Payne has an additional 1867 hours of electrical experience post his apprenticeship.

RECOMMENDATION:

In accordance with the acts and rules listed above staff concludes that Mr. Payne meets the requirements to sit for the State of Michigan journeyman electrician examination and recommends that the board approve his application.



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVE ARWOOD
DIRECTOR

Date Mailed from BCC: 8/6/2013

Carlos T. Payne
[REDACTED]
[REDACTED]

Document E-13-47
Exam Applicant Review

NOTICE OF MICHIGAN ADMINISTRATIVE ELECTRICAL BOARD MEETING

You are hereby notified that in accordance with the Administrative Procedures Act, 1969 PA 306, MCL 24.201 *et seq.*, and the Electrical Administrative Act being 1956 PA 217 MCL 338.881 *et seq.*, you are scheduled to appear before the Michigan Electrical Administrative Board on:

Date: August 22, 2013
Time: 9:30 a.m.
Location: Department of Licensing and Regulatory Affairs
Bureau of Construction Codes
2501 Woodlake Circle, Conference Room 3
Okemos, MI 48864

This notice is to provide you the opportunity to provide testimony to the board regarding your experience and eligibility to sit for the journeyman electrician exam. If you wish to offer any document(s) into evidence, you must file the documentation with the Electrical Division prior to the meeting or bring fifteen (15) copies of the information you wish to enter for the board's consideration. In the event you are unable to attend the meeting or you choose not to appear before the board, please contact the Electrical Division in advance of the meeting. In the event that you fail to appear at the meeting as scheduled, a decision may be entered in your absence.

Accompanying this notice is a report outlining our findings and recommendation based upon the Electrical Administrative Act being 1956 PA 217 MCL and the documentation you have provided at the time of mailing. Any questions regarding this matter may be directed to the Electrical Division at (517) 241-9320.


Dan O'Donnell, Chief, Electrical Division

8-6-2013
Date

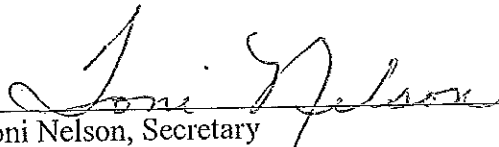
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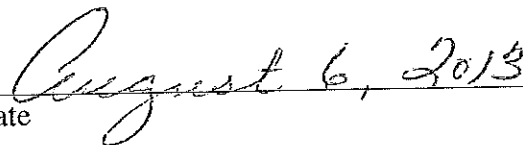
Exam Applicant Review
Carlos T. Payne
Document No. E-13-47
August 22, 2013
Page 2 of 4

PROOF OF SERVICE


I hereby state, to the best of my knowledge, information, and belief, that a copy of the foregoing document was served on this date upon all parties and/or attorneys of record in this matter by email to those parties employed by the State of Michigan and by first class mail to the remaining parties at their respective addresses as disclosed below.



Toni Nelson, Secretary
Electrical Division
Bureau of Construction Codes



Date

Carlos T. Payne


BCC Administration

Application for Journeyman Electrician Examination
Michigan Department of Licensing and Regulatory Affairs
Bureau of Construction Codes / Electrical Division
P.O. Box 30255, Lansing, MI 48909
517-241-9320
www.michigan.gov/bcc

103

Agency Use Only

Examination Fee: \$100.00 (nonrefundable)

Authority: 1956 PA 217
Completion: Mandatory
Penalty: Examination will not be given

LARA is an equal opportunity employer/program. Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.

Instructions: To be eligible to make application for and take this examination an applicant shall meet the following criteria:

- Complete and sign application. Type or print in ink.
- Application and fee must be received 20 business days prior to the examination date.
- Applicant must not be less than 20 years of age.
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- Enclose a check made payable to the **State of Michigan**.
- Mail completed application, required documents, and payment to the address listed above.

Information

Applicants are permitted one examination for the \$100.00 fee. Upon achieving a minimum passing score of 75% or higher, the applicant will be billed \$40.00 for the journeyman electrician license prior to issuance of the license. Failure of examination 2 times within 2 years requires 1 year waiting period from the date of the second failure and proof of successful completion of a course on code, electrical fundamentals or theory to be eligible for reexamination. Examination fee is forfeited upon failure to appear for scheduled examination unless written explanation is received within 10 business days of the examination.

Examination Eligibility of Applicants From Other States or Countries

A person who is licensed as a journeyman electrician in another state or country may qualify for examination upon determination by the board that the license was obtained by the person through substantially the same or equal requirements as those of the state of Michigan in accordance with the provisions of section 3a of the act.

Applicant Information

NAME (Last Name, First Name, Middle Initial) PANE, Carlos T		DATE OF BIRTH [REDACTED]	LAST 4 DIGITS OF SOCIAL SECURITY NUMBER* XXX-XX-[REDACTED]
ADDRESS [REDACTED]	CITY [REDACTED]	TOWNSHIP [REDACTED]	
COUNTY [REDACTED]	STATE [REDACTED]	ZIP CODE [REDACTED]	TELEPHONE NUMBER (Include Area Code) [REDACTED]

Have you previously taken this examination? ☐ Yes ☒ No

If examination was not administered by the State Electrical Division provide the licensing entity:

City of _____ Township of _____

Examination Site

Examinations are given at the sites listed below. Refer to the enclosed "Schedule of Electrical Board Meetings and Licensing Examinations" for examination dates. Please check below the site you wish to be examined at and indicate a preference of examination month. If approved for examination, an admission card will be mailed to you approximately 10 days prior to the examination date. If the examination you have selected is full, you will be scheduled for the next available examination at your preferred site.

Preferred Site

☒ Lansing

☐ Escanaba

Preferred Month

August

If you have a disability and require an accommodation to take the examination, please submit written documentation from a professional (education professional, doctor, psychologist, psychiatrist) to certify that your disabling condition requires the requested test accommodation. Forms are available from this office.

*This information is confidential. Disclosure of confidential information is protected by the Federal Privacy Act

Experience Record (attach additional sheets if necessary)

NAME OF CURRENT EMPLOYER <i>Echo Computer Electric</i>		DATES OF EMPLOYMENT (MM/DD/YY) BEGINNING: <i>8-9-2012</i> ENDING: <i>current</i>	
ADDRESS <i>2820 E. McDowell Ln.</i>	CITY <i>Phoenix</i>	STATE <i>Arizona</i>	ZIP CODE <i>85050</i>
TYPE OF WORK PERFORMED <i>JOURNEYMAN</i>			
NAME OF EMPLOYER <i>Kullis Electric Inc.</i>		DATES OF EMPLOYMENT (MM/DD/YY) BEGINNING: <i>6-25-2007</i> ENDING: <i>8-7-2011</i>	
ADDRESS <i>9470 E. Doubletree Ranch Rd.</i>	CITY <i>Scottsdale</i>	STATE <i>Arizona</i>	ZIP CODE <i>85258</i>
TYPE OF WORK PERFORMED <i>APPRENTICE / JOURNEYMAN</i>			

Certification and Signature of Applicant

I certify the information provided is true and accurate to the best of my ability and I have the experience required for this examination.
I further understand fraud or deceit in obtaining a license is grounds for administrative action in accordance with the act.

APPLICANT'S SIGNATURE <i>Carlos Payne</i>	DATE <i>6-24-2013</i>
----------------------------------------------	--------------------------

Agency Use Only

Approved for Exam ☐ Yes ☐ No

Date of Exam	Score	Absent	Date of Exam	Score	Absent

Date Approved by EAB _____

Validation Area

[Redacted] 7/1/13
 DATE 10/21/2013
 ID# CARLOS PAYNE

RECEIVED
 10/21/2013
 10:30 AM

STATE OF ARIZONA

Certificate of Completion of Apprenticeship

APPRENTICESHIP
ADVISORY COMMITTEE

Issued to Carlos Payne

TRADE OF Electrician

EXPIRATION DATE 05/17/11

AGREEMENT NO. AZ08N013122 *Paula B...*

APPROVED BY Paula B... DIRECTOR
APPRENTICESHIP DIVISION

AF-000-11-01

ARIZONA

Driver License

CARLOS TYRELL PAYNE

Class D Sex M
Eyes BRO Height 6-02
Hair BK Weight 160

Number [REDACTED]
Expires 10/27/2144
Date of Birth [REDACTED]
Issued 10/05/2011



Paula B...

RECEIVED
10/18/11
ELECTRICAL
DIVISION

Michigan Department of Licensing and Regulatory Affairs
Bureau of Construction Codes/Electrical Division
P.O. BOX 30255, Lansing, MI 48909

Carlos Payne
[REDACTED]
[REDACTED]

June 24, 2013

Dear Bureau of Construction Codes/Electrical Division Board Members,

I am writing this letter to inform you that Khul's Electric Company, where I completed my apprenticeship is no longer in business. I have attached a copy of their license to verify their active licensure at the time of my apprenticeship program.

Sincerely,



Carlos Payne

RECEIVED

JUN 24 2013
ELECTRICAL DIVISION

EMPLOYEE NAME CARLOS PAYNE SS#OJT FOR THE MONTH OF March 20 11

Employer

OJT THIS MONTH

Category Electrical	Hours Required	Hours to Date	Week 1	Week 2	Week 3	Week 4	Week 5	Hours this Month	Total Hours To Date
Preliminary Work	600								600
Residential & commercial Wiring	2500								2500
Residential & Commercial Finish Work	1500								1500
Industrial Lighting Service Installation	2000								2000
Trouble Shooting	1000								1000
Motor Installation & Control	400								410
Total Amount of OJT To Date									8010

Apprentice Signature Carlos PayneDate 3-25-11

Supervisor's Evaluation

Apprentice Evaluation

Place a check mark in the appropriate column

Exceeds
ExpectationsMeets
ExpectationsBelow
Expectations

Unacceptable

SKILLS

Demonstrates job knowledge

X

Follows instructions given

X

Organizes work (relative to other employees at his/her level)

X

Versatile in the trade (compared to others with same experience)

X

PERFORMANCE

Quality of work

X

Accuracy of work

X

Carries his/her share of the workload

X

Has and brings correct tools to the job

X

Demonstrates physical ability to perform assigned tasks

X

WORK BEHAVIOR

Safe work habits

X

Attendance

X

Punctuality

X

Leadership qualities

X

Demonstrates practical approach towards accomplishing tasks

X

Demonstrates self confidence

X

Assumes and demonstrates responsibility

X

Demonstrates ability to learn new tasks

X

Supervisor's Name (Please Print) CHRIS BLANCOSupervisor's Signature Chris BlancoDate 3-25-11

Please return completed form to the ABA Training Depart, 1825 West Adams, Phoenix, AZ 85007, or to the ABA office at Gateway Community College Room MA1271 or FAX to 602-274-8999 on or before the 10th of each month.

February 22, 2011

To Whom It May Concern:

Carlos Payne is employed by Kuhl's Electric, Inc. since 6/25/07. He has worked a total of 7,736.0 hours for Kuhl's Electric, Inc. His experience with us has been in the commercial electrical field.

If you need any other information, please contact me @ 602-324-8100.

Thank you



Tina L. Canaan
Acct/HR Manager

RECEIVED
A. J. 100
KUHLS ELECTRIC
1000 00

**DISCLAIMER**

The data supplied below is based on your specific request(s) and is correct to the best of our knowledge as of the date and time it was extracted from our data files. The information is provided without personal research or analysis. The data is subject to change on a daily basis. You may obtain additional public records related to any licensee, including dismissed complaints and nondisciplinary actions and orders, by contacting the ROC directly. If this information is required for legal purposes, you may request an affidavit or certified copies for a fee as specified in A.R.S. 32-1104A3. Please read our Standard Disclaimer at www.azroc.gov/Legal/Disclaimer.html

Please note: The company or individuals listed on this license may hold other Arizona contracting licenses. To view information, status and complaint history for the past two years on other licenses held, go to the License Inquiry page and do a "Company Name and Personnel" search by entering the name of the company or individuals listed on the license.

Details for License Number 078325 (Tuesday, June 25, 2013 2:23:25 PM)

Contractor		License	
Name/ Address/ Phone	Status/ Action	Class Type Entity	Issued/Renewal
Kuhl's Electric Inc 6501 E Greenway Pkwy # 103-525 Scottsdale, AZ 85254-2065 Phone: (602) 324-8100	CURRENT	L-11 COMMERCIAL CORPORATION	First Issued: 05/16/1988 Renewed Thru: 04/30/2014

License Class & Description **L-11 ELECTRICAL****Qualifying Party and Personnel**

The Qualifying Party listed below is associated with this license. All other persons named, if any, are associated with the company. They are not all necessarily associated with this license.

Name Kurt Allen Kuhl	Name Paul Dean Kuhl
Position QP/OFFICER	Position OFFICER
	Qual. Date 05/16/1988

Complaint Information

Complaints against this contractor are listed below. Complaints that were cancelled, resolved or settled without a corrective work order or dismissed are not included. Contact the Registrar of Contractors at 602-542-1525 or toll-free statewide at 1-877-MY AZROC (1-877-692-9762) to identify the ROC office location you need to visit to view complete complaint documentation.

Open: 0	This is the number of complaints against this contractor that are currently open except those in which an agency inspection has not occurred or a violation was not found. Upon adjudication some complaints are found to be without merit and are dismissed.
Closed Cases	
Disciplined: 0	This is the number of complaints against this contractor that resulted in discipline being imposed after an administrative hearing or default because of a violation(s) of state contracting law.
Resolved/Settled/ Withdrawn: 0	This is the number of complaints closed against this contractor that were resolved or settled by the contractor or withdrawn by the complainant after issuance of a corrective work order or formal citation.
Denied Access: 0	This is the number of complaints against this contractor that were closed without corrective work being performed because the contractor was denied access by the complainant.
Bankruptcy: 0	This is the number of complaints against this contractor that were closed because the contractor is in bankruptcy.

Bond [1] Information

Number	Effective	Amount	Paid	Available	Company	Notes
AZ188347	05/16/1988	\$10,000.00	\$0.00	\$10,000.00	MERCHANTS BONDING CO (MUTUAL)	



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVE ARWOOD
DIRECTOR

July 16, 2013

Carlos T Payne
~~XXXXXXXXXXXXXXXXXXXX~~
~~XXXXXXXXXXXXXXXXXXXX~~

Dear Mr. Payne:

Your application for the August journeyman electrical examination has been received by our office. In accordance with 1956 PA 217 MCL section 338.883a and the Electrical Administrative Board General Rule R338.1006a, out of state work experience has to be reviewed by the Electrical Administrative Board.

For the board to properly review your application please provide the following information:

A person who is licensed as a master or journeyman electrician in another state or country may qualify for examination upon a determination by the board that the license was obtained by the person through substantially the same or equal requirements as those of the state of Michigan.

1. Provide a copy of your current journey or master license and the licensing requirements for the city, township, village, county, state, or country that issued your current electrical license.
2. Provide copies of the electrical contractor's license that provided your employment and the qualifying master electrician's license for verification. Also documentation stating how long the contractor and master have been licensed.
3. A copy of the licensing requirements for the city, township, village, county, state or country that issued the license for the master electrician that supervised you.
4. A copy of the license requirements for the city, township, village, county, state or country that issued the license for the contractor who provided your employment.

Providing for Michigan's Safety in the Built Environment

Carlos T Payne
July 16, 2013
Page 2

5. Letter(s) of documentation of 8000 hours over a period of not less than four years, under the supervision of a licensed master electrician, signed by the master or contractor of record for the company and notarized. Letter must show the beginning and ending dates (month, day, year) of employment and total number of hours worked.
6. A notarized letter from Arizona verifying you have completed the apprenticeship program.

Please provide our office with the additional information or if you do not wish to have your exam application presented to the Electrical Administrative Board, please send us a letter requesting your application be removed from the board meeting. Return a copy of this letter along with additional information to LARA, Electrical Division, PO Box 30254, Lansing MI 48909, or fax, (517) 241-9308 or email to, bccelec@michigan.gov

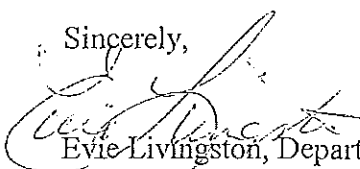
You will need to submit any additional information or letters to our office by July 26, 2013.

If all the additional information requested is received and your application is complete, then your application will be presented to the Electrical Administrative Board on August 22, 2013. You will receive a notice of hearing 10 days prior to the board meeting.

If you are unable to provide the additional information or do not wish to have your application presented to the Electrical Administrative Board, you will be ineligible for the examination and any fees paid will be forfeited as outlined in Rule 338.1002a of the General Electrical Administrative Board Rules.

Please contact the Electrical Division at 517-241-9320 if you have any questions.

Sincerely,



Evie Livingston, Departmental Technician
Electrical Division



Echo Canyon Electric, Inc.
2820 E. Mohawk Lane, Phoenix, AZ 85050
(602) 331-3045 Fax (602) 331-3773
AZ Lic. A-17 ROC 097761 · L-11 ROC 073762

July 24, 2013

To Whom It May Concern:

Carlos Payne's employment started on August 9, 2012 at Echo Canyon Electric, Inc. As of week ending July 21, 2013, he has worked 1,867 hours. His title is Journeyman Electrician. His Supervisor is Gary Shepherd.

If you need any additional information, please contact the office.

Sincerely,

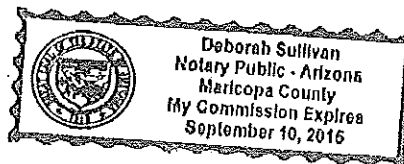
Mario A. Lio
President

State of Arizona
County of Maricopa

Subscribed and sworn to before me this 24th day of July, 2013

Notary Public

My Commission Expires: 9/10/15



**DISCLAIMER**

The data supplied below is based on your specific request(s) and is correct to the best of our knowledge as of the date and time it was extracted from our data files. The information is provided without personal research or analysis. The data is subject to change on a daily basis. You may obtain additional public records related to any licensee, including dismissed complaints and nondisciplinary actions and orders, by contacting the ROC directly. If this information is required for legal purposes, you may request an affidavit or certified copies for a fee as specified in A.R.S. 32-1104A3. Please read our Standard Disclaimer at www.azroc.gov/Legal/Disclaimer.html

Please note: The company or individuals listed on this license may hold other Arizona contracting licenses. To view information, status and complaint history for the past two years on other licenses held, go to the License Inquiry page and do a "Company Name and Personnel" search by entering the name of the company or individuals listed on the license.

Details for License Number 073762 (Tuesday, June 25, 2013 2:24:38 PM)

Contractor		License	
Name/ Address/ Phone	Status/ Action	Class Type Entity	Issued/Renewal
Echo Canyon Electric Inc 2820 E Mohawk Ln Phoenix, AZ 85050-4700 Phone: (602) 331-3045	CURRENT	L-11 COMMERCIAL CORPORATION	First Issued: 12/29/1987 Renewed Thru: 08/31/2013

License Class & Description **L-11 ELECTRICAL****Comments**

●[TEMP LIC ISSUED 7/87]

Qualifying Party and Personnel

The Qualifying Party listed below is associated with this license. All other persons named, if any, are associated with the company. They are not all necessarily associated with this license.

Name Mario Anthony Lio	Name Melanie Joy Lio
Position QP/OFFICER	Qual. Date 12/29/1987 Position OFFICER

Complaint Information

Complaints against this contractor are listed below. Complaints that were cancelled, resolved or settled without a corrective work order or dismissed are not included. Contact the Registrar of Contractors at 602-542-1525 or toll-free statewide at 1-877-MY AZROC (1-877-692-9762) to identify the ROC office location you need to visit to view complete complaint documentation.

Open: 0	This is the number of complaints against this contractor that are currently open except those in which an agency inspection has not occurred or a violation was not found. Upon adjudication some complaints are found to be without merit and are dismissed.
Closed Cases	
Disciplined: 0	This is the number of complaints against this contractor that resulted in discipline being imposed after an administrative hearing or default because of a violation(s) of state contracting law.
Resolved/Settled/ Withdrawn: 0	This is the number of complaints closed against this contractor that were resolved or settled by the contractor or withdrawn by the complainant after issuance of a corrective work order or formal citation.
Denied Access: 0	This is the number of complaints against this contractor that were closed without corrective work being performed because the contractor was denied access by the complainant.
Bankruptcy: 0	This is the number of complaints against this contractor that were closed because the contractor is in bankruptcy.

Bond [1] Information

Number	Effective	Amount	Paid	Available	Company	Notes
AZ213250	07/19/1990	\$5,000.00	\$0.00	\$5,000.00	MERCHANTS BONDING CO MUTUAL	

Bond [2] Information

Number	Effective	Cancelled	Amount	Paid	Available	Company	Notes
NAA 106832	07/28/1989	07/19/1990	\$5,000.00	\$0.00	\$5,000.00	BALBOA INSURANCE COMPANY	

Bond [3] Information

Number	Effective	Cancelled	Amount	Paid	Available	Company	Notes
BND3696461	07/31/1987	08/18/1989	\$5,000.00	\$0.00	\$5,000.00	The Continental Insurance Company	



ABA, AGC Education Fund



1825 W. Adams
Phoenix, AZ 85007
Tel: (602) 274-8222
Fax: (602) 274-8999

1661 N. Swan, #144
Tucson, AZ 85712
Tel: (520) 881-7930
Fax: (520) 327-1686

July 23, 2013

State of Michigan
Dept. of Licensing and Regulatory Affairs
Electrical Division

To whom it may concern;

I am writing this letter to confirm the OJL hours of Carlos Payne while he was in our electrical apprenticeship program.

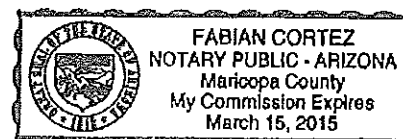
Carlos Payne AZ08N013122 started our program in August 2007 and completed on May 17th, 2011 when he received his Department of Labor and State of Arizona Journeypersons certifications. During his time in our apprenticeship program he worked for Kuhl's Electric and completed 8,000 hours of OJL. He also completed a minimum of 144 clock hours of class room training each of the four years while in our program. I am attaching his NCCER transcripts that show the modules he completed.

If you have any questions about this matter please contact myself or our electrical apprenticeship coordinator Dana Jones.

Sincerely

Gary Townsley
ABA, AGC Education Fund
Apprenticeship and Craft Training Director
gtownsley@azbuilders.org

STATE OF ARIZONA
COUNTY OF Maricopa
The foregoing instrument was acknowledged
before me this 24th day of July 2013
By Gary Townsley
Notary Public
My Commission Expires: March 15, 2015



Cc: Dana Jones
Carlos Payne

Training	Knowledge Assessments and Certifications	Performance Verification
----------	---------------------------------------------	-----------------------------

CARLOS PAYNE
Card #: [REDACTED]
SS#: [REDACTED]

	Crafts Completed
Date Completed	Craft
5/31/2008	Core Curricula

	Levels Completed
Date Completed	
5/30/2010	Electrical Level Three
5/30/2009	Electrical Level Two
5/31/2008	Core Curricula
5/31/2008	Electrical Level One

	Modules Completed
Date Passed	Module
5/31/2008	00101-04 Basic Safety
5/31/2008	00102-04 Introduction to Construction Math
5/31/2008	00103-04 Introduction to Hand Tools
5/31/2008	00104-04 Introduction to Power Tools
5/31/2008	00105-04 Introduction to Blueprints
5/31/2008	00106-04 Basic Rigging
5/31/2008	26101-05 Electrical Safety
5/31/2008	26102-05 Hand Bending
5/31/2008	26103-05 Fasteners and Anchors
5/31/2008	26104-05 Electrical Theory One
5/31/2008	26105-05 Electrical Theory Two
5/31/2008	26106-05 Electrical Test Equipment
5/31/2008	26107-05 Introduction to the National Electrical Code
5/31/2008	26108-05 Raceways, Boxes, and Fittings
5/31/2008	26109-05 Conductors
5/31/2008	26110-05 Introduction to Electrical Blueprints
5/31/2008	26111-05 Wiring: Commercial and Industrial
5/31/2008	26112-05 Wiring: Residential
5/30/2009	26201-08 Alternating Current

5/30/2009	26202-08	Motors: Theory and Application
5/30/2009	26203-08	Electric Lighting
5/30/2009	26204-08	Conduit Bending
5/30/2009	26205-08	Pull and Junction Boxes
5/30/2009	26206-08	Conductor Installations
5/30/2009	26207-08	Cable Tray
5/30/2009	26208-08	Conductor Terminations and Splices
5/30/2009	26209-08	Grounding and Bonding
5/30/2009	26210-08	Circuit Breakers and Fuses
5/30/2009	26211-08	Control Systems and Fundamental Concepts
5/30/2010	26301-08	Load Calculations - Branch and Feeder Circuits
5/30/2010	26302-08	Conductor Selection and Calculations
5/30/2010	26303-08	Practical Applications of Lighting
5/30/2010	26304-08	Hazardous Locations
5/30/2010	26305-08	Overcurrent Protection
5/30/2010	26306-08	Distribution Equipment
5/30/2010	26307-08	Transformers
5/30/2010	26308-08	Commercial Electrical Services
5/30/2010	26309-08	Motor Calculations
5/30/2010	26310-08	Voice, Data, and Video
5/30/2010	26311-08	Motor Controls
5/30/2011	26407-08	Advanced Motor Controls
5/30/2011	26408-08	HVAC Controls
5/30/2011	26409-08	Heat Tracing and Freeze Protection
5/30/2011	26410-08	Motor Operation and Maintenance
5/30/2011	26411-08	Medium - Voltage Terminations and Splices
5/30/2011	26412-08	Special Locations
5/30/2011	26413-08	Introductory Skills for The Crew Leader

(None)

BACK

The United States Department of Labor
Office of Apprenticeship
Certificate of Completion of Apprenticeship

This is to certify that

Carlos Payne

has completed an apprenticeship for the occupation

Electrician

under the sponsorship of

Arizona Builders' Alliance

in accordance with the basic standards of apprenticeship

established by the Secretary of Labor

[Signature]

May 17, 2011

Date Completed



Arlette J. Stiles
Secretary of Labor

Al V. Hall
Administrator, Office of Apprenticeship



★ STATE OF ARIZONA ★

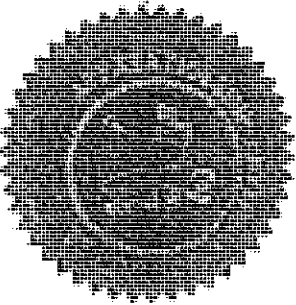
Certificate of Completion of Apprenticeship

Know All Persons by These Presents That

Carlos Payne

has completed the terms of Apprenticeship in accordance with the standards of the Arizona Commerce Authority and the Apprenticeship Advisory Committee and is hereby awarded this Certificate of Completion of Apprenticeship in the trade of

Electrician



Witness our signatures and seals
this 17th day of May, 2011

ARMANDO BONDERS ALVARADO

Name of Signer

By **Mark G. Smith**

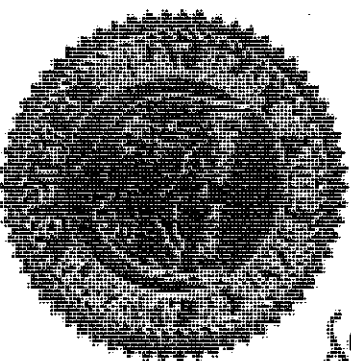
Title

LOCAL APPRENTICESHIP SPONSOR

Chairman

Secretary **Dave Paul**

ARIZONA COMMERCE AUTHORITY
APPRENTICESHIP ADVISORY COMMITTEE
Chairman **Armando Bonders Alvarado**
Director, Apprenticeship Division **Paula Brennan**



In Witness Whereof, I have hereunto set my hand and caused to be affixed the Great Seal of the State of Arizona. Done at the City of Phoenix, the Capitol, this 21st day of June

in the year of our Lord, two thousand and Eleven

Governor **Janice K. Brewer**

Secretary of State **John Russell**

Arizona Journeyman Electrician's License Qualifications

In Arizona, a professional license is necessary to work independently as an electrician contractor. Residential and commercial electrician work requires separate licensing, known as the C-11 and L-11 licenses, respectively. Although separate, the licenses have identical requirements under Arizona state law. The Arizona Registrar of Contractors oversees the licensure of residential and commercial electricians, establishing and enforcing eligibility requirements.

Experience

- The C-11 and L-11 electrician journeyman licenses in Arizona require professionals to have four years of experience in the field. Journeymen may count their experience at their current level as well as any time they spent as supervisors of other electricians. Apprenticeship work hours do not qualify as experience years. Electricians must have the ability to verify their work experience through home or business owners that used their services or with employers like contractors or labor unions to which they belong.

Education

- The Arizona Registrar of Contractors does not require electrician journeymen to have any specific education to receive either an L-11 or a C-11 license. To reach the journeyman level necessary for their experience to qualify for licensing, electricians typically do need some type of formal training. Combining classroom study with on-the-job training, apprenticeships are one possible option for training. As of December 2010, there are two approved apprenticeships for electrical contractors: one through the Arizona Builders Alliance and one through the Independent Electrical Contractors of Southern Arizona. Electrician training is also available from private vocational and technical schools and public community colleges. Programs vary in length and may culminate in a certificate, diploma or an associate or bachelor's degree.

Examination

- The Arizona Registrar of Contractors requires electrician journeymen to pass two examinations prior to receiving a license. The first exam, the business management test measures a journeyman's knowledge of federal and Arizona laws governing construction. The test also assesses the ability to manage construction workers and the financial aspect of working as a contractor. For the second section called the trade test, journeymen answer multiple-choice questions related to electrical wiring and other aspects of commercial or residential electrical contracting. Electricians can take the examinations at Prometric Testing Centers in either Phoenix, Tempe, Flagstaff, Tucson, Goodyear or Casa Grande.

Application

- o Qualified electricians can contact the Arizona Registrar of Contractors to request an application packet, which includes the registration forms for the required examinations. The packet is also available online. The form requests journeymen's contact information, such as their addresses and phone numbers. When submitting the form, electricians must pay a fee for each test. As of 2010, the total cost was \$120. Electricians can submit the form online, by phone or fax if they choose to pay by credit card. Those paying by money order, certified or cashier's check must do so by postal mail.

This information was referenced from:

http://www.ehow.com/info_7755177_arizona-journeyman-electricians-license-qualifications.html

Arizona

Code

No statewide code. Most municipalities and Coconino, Maricopa, and Pima counties adopt the National Electrical Code. Residential, commercial, and industrial work must be performed in accordance with the FHA Minimum Property Standards and Manual of Acceptable Practices.

Enforcement

Codes are enforced by the municipality or county and enforcement of the contractors is by the State Registrar of Contractors.

Licensing

Electrical Contractor

Licenses may be issued to firms or individuals. Applicants must have had four (4) years trade experience within the last ten (10) years, not have had a license refused or revoked within one (1) year prior to the application, and must pass a written examination. Contractors are required to furnish a bond; residential contractors must either participate in a Consumer Recovery Fund or furnish an additional surety bond or cash deposit.

Journeyman

Licensed at local levels.

Fees	Electrical Contractor Journeyman	
New Residential Contractor License	\$770.00*	N/A
Renewal	\$540.00/2yr	N/A
New Commercial Contractor License	\$645.00*	N/A
Renewal of Commercial License	\$490.00/2yr	N/A
Dual (Commercial and Residential) License	\$1265.00*	N/A
Renewal of Dual License	\$1030.00/2yr	N/A

*plus bond

Reciprocity

California, Nevada, and Utah

The Arizona Registrar of Contractors may waive trade examination requirements for contractors who want to be licensed in both states. No state licensing of journeymen and master electricians. Electricians are licensed by municipalities or counties. Under the agreement, Arizona can accept

the licensing qualifications of these states. Applicants will be required to pass the Arizona Business Management examination and complete all other requirements for licensing in Arizona.

Contact

- Arizona State Registrar of Contractors
- 800 W. Washington, Sixth Floor
- Licensing Department
- Phoenix, AZ 85007
- (602) 542-1525
- (602) 542-1536 fax
- www.azroc.gov

This information was referenced from:

http://www.neca-neis.org/state/state_regs.cfm#arizona



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVE ARWOOD
DIRECTOR

August 22, 2013

E-13-48

TO: Members of the State Electrical Administrative Board
FROM: Dan O'Donnell, Chief, Electrical Division
SUBJECT: Journeyman electrician examination application

APPLICANT REPRESENTATIVE:

Karl L. Rajala

PROJECT:

N/A

AUTHORITY:

The Michigan Electrical Administrative Act, 1956 PA 217 of the Michigan Compiled Laws.

The Electrical Administrative Board General Rules

REQUEST:

Request to petition the Electrical Administrative Board to sit for the journeyman electrician examination.

APPLICABLE RULE:

1956 PA 217, MCL 338.883a Sec. 3a. (c), MCL 338.883d Sec. 3d. (1), (a), (b), (c), (d), Administrative Board General Rules R338.1005a Rule 5a. (1), (2), (3), R338.1006a Rule 6a (1), (3), (4).

FINDINGS:

Mr. Rajala submitted an application to the Electrical Division to sit for the journeyman electrician examination. The information supplied by Mr. Rajala indicates that he

Providing for Michigan's Safety in the Built Environment

LARA is an equal opportunity employer
Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.
P.O. BOX 30254 • LANSING, MICHIGAN 48909
www.michigan.gov/bcc • Telephone (517) 241-9302 • Fax (517) 241-9570

completed a 5 year electrical apprenticeship through IBEW Local 150 in Libertyville, Illinois and has 20000 hours of electrical experience working for licensed electrical contractors.

RECOMMENDATION:

In accordance with the acts and rules listed above staff concludes that Mr. Rajala meets the requirements to sit for the State of Michigan journeyman electrician examination and recommends that the board approve his application.



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVE ARWOOD
DIRECTOR

Date Mailed from BCC: 8/6/2013

Karl L. Rajala
[REDACTED]
[REDACTED]

Document E-13-48
Exam Applicant Review

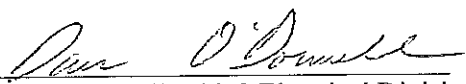
NOTICE OF MICHIGAN ADMINISTRATIVE ELECTRICAL BOARD MEETING

You are hereby notified that in accordance with the Administrative Procedures Act, 1969 PA 306, MCL 24.201 *et seq.*, and the Electrical Administrative Act being 1956 PA 217 MCL 338.881 *et seq.*, you are scheduled to appear before the Michigan Electrical Administrative Board on:

Date: August 22, 2013
Time: 9:30 a.m.
Location: Department of Licensing and Regulatory Affairs
Bureau of Construction Codes
2501 Woodlake Circle, Conference Room 3
Okemos, MI 48864

This notice is to provide you the opportunity to provide testimony to the board regarding your experience and eligibility to sit for the journeyman electrician exam. If you wish to offer any document(s) into evidence, you must file the documentation with the Electrical Division prior to the meeting or bring fifteen (15) copies of the information you wish to enter for the board's consideration. In the event you are unable to attend the meeting or you choose not to appear before the board, please contact the Electrical Division in advance of the meeting. In the event that you fail to appear at the meeting as scheduled, a decision may be entered in your absence.

Accompanying this notice is a report outlining our findings and recommendation based upon the Electrical Administrative Act being 1956 PA 217 MCL and the documentation you have provided at the time of mailing. Any questions regarding this matter may be directed to the Electrical Division at (517) 241-9320.


Dan O'Donnell, Chief, Electrical Division

8-6-2013
Date

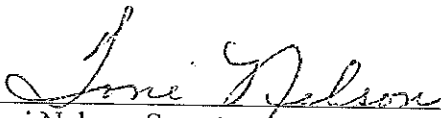
Providing for Michigan's Safety in the Built Environment

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Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.
P.O. BOX 30254 • LANSING, MICHIGAN 48909
www.michigan.gov/bcc • Telephone (517) 241-9302 • Fax (517) 241-9570

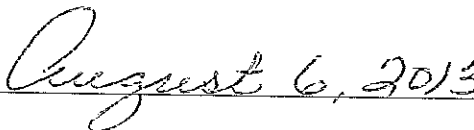
Exam Applicant Review
Karl L. Rajala
Document No. E-13-48
August 22, 2013
Page 2 of 4

PROOF OF SERVICE

I hereby state, to the best of my knowledge, information, and belief, that a copy of the foregoing document was served on this date upon all parties and/or attorneys of record in this matter by email to those parties employed by the State of Michigan and by first class mail to the remaining parties at their respective addresses as disclosed below.



Toni Nelson, Secretary
Electrical Division
Bureau of Construction Codes



Date

Karl L. Rajala



BCC Administration

Application for Journeyman Electrician Examination
Michigan Department of Licensing and Regulatory Affairs
Bureau of Construction Codes / Electrical Division
P.O. Box 30255, Lansing, MI 48909
517-241-9320

103

www.michigan.gov/bcc

Agency Use Only

Examination Fee: \$100.00 (nonrefundable)

Authority: 1956 PA 217
Completion: Mandatory
Penalty: Examination will not be given

LARA is an equal opportunity employer/program. Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.

Instructions: To be eligible to make application for and take this examination an applicant shall meet the following criteria:

- Complete and sign application. Type or print in ink.
- Application and fee must be received 20 business days prior to the examination date.
- Applicant must not be less than 20 years of age.
- Provide **original notarized** documentation from present or former employers to the effect that the applicant has not less than 8,000 hours of practical experience obtained over a period of not less than 4 years related to electrical construction or electrical maintenance of buildings under direct supervision of a person licensed pursuant to the act. Documentation must include the beginning (month, day, year) to ending (month, day, year) dates of employment. The 8,000 hours of practical work experience over 4 years must be attained prior to the deadline date for submitting documentation. **Notarized**, original documentation must be on employers' letterhead stationery and provide dates of employment and hours worked under licensed supervision and signed by the qualified master electrician.
- Enclose a check made payable to the State of Michigan.
- Mail completed application, required documents, and payment to the address listed above.

Information

Applicants are permitted one examination for the \$100.00 fee. Upon achieving a minimum passing score of 75% or higher, the applicant will be billed \$40.00 for the journeyman electrician license prior to issuance of the license. Failure of examination 2 times within 2 years requires 1 year waiting period from the date of the second failure and proof of successful completion of a course on code, electrical fundamentals or theory to be eligible for reexamination. Examination fee is forfeited upon failure to appear for scheduled examination unless written explanation is received within 10 business days of the examination.

Examination Eligibility of Applicants From Other States or Countries

A person who is licensed as a journeyman electrician in another state or country may qualify for examination upon determination by the board that the license was obtained by the person through substantially the same or equal requirements as those of the state of Michigan in accordance with the provisions of section 3a of the act.

Applicant Information

NAME (Last Name, First Name, Middle Initial) RAJALA KARL L		DATE OF BIRTH [REDACTED]	LAST 4 DIGITS OF SOCIAL SECURITY NUMBER* XXX-XX-[REDACTED]
ADDRESS [REDACTED]	CITY [REDACTED]	TOWNSHIP [REDACTED]	
COUNTY [REDACTED]	STATE MI	ZIP CODE [REDACTED]	TELEPHONE NUMBER (Include Area Code) [REDACTED]

Have you previously taken this examination? ☐ Yes ☒ No

If examination was not administered by the State Electrical Division provide the licensing entity:

City of _____ Township of _____

Examination Site

Examinations are given at the sites listed below. Refer to the enclosed "Schedule of Electrical Board Meetings and Licensing Examinations" for examination dates. Please check below the site you wish to be examined at and indicate a preference of examination month. If approved for examination, an admission card will be mailed to you approximately 10 days prior to the examination date. If the examination you have selected is full, you will be scheduled for the next available examination at your preferred site.

Preferred Site

Preferred Month

☐ Lansing

☒ Escanaba

July 2013

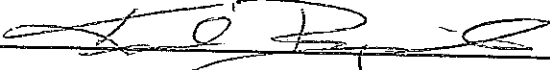
JUL 15 2013

ELECTRICAL
DIVISION

If you have a disability and require an accommodation to take the examination, please submit written documentation from a professional (education professional, doctor, psychologist, psychiatrist) to certify that your disabling condition requires the requested test accommodation. Forms are available from this office.

*This information is confidential. Disclosure of confidential information is protected by the Federal Privacy Act.

Experience Record (attach additional sheets if necessary)

NAME OF CURRENT EMPLOYER CLIFFS NATURAL RESOURCES		DATES OF EMPLOYMENT (MM/DD/YY) BEGINNING: APR 2011 ENDING: CURRENT	
ADDRESS 101 Tilden Road	CITY ISHPEMING	STATE MI	ZIP CODE 49849
TYPE OF WORK PERFORMED Troubleshooting and installing motor control circuits. installing conduit, maintenance on high voltage equipment, Replacing motors, motor maintenance.			
NAME OF EMPLOYER IBEW LOCAL 150		DATES OF EMPLOYMENT (MM/DD/YY) BEGINNING: JUN 1988 ENDING: MAR 2011	
ADDRESS 31090 N. U.S Hwy 45	CITY Libertyville	STATE IL	ZIP CODE 60048
TYPE OF WORK PERFORMED INSTALL electrical switchgear, conduit, wire houses, Raceways, motor control systems fire alarm systems, service truck, layout of work, High voltage terminations, transformer installations			
Certification and Signature of Applicant			
I certify the information provided is true and accurate to the best of my ability and I have the experience required for this examination. I further understand fraud or deceit in obtaining a license is grounds for administrative action in accordance with the act.			
APPLICANT'S SIGNATURE 			DATE 4/30/13

Agency Use Only

Approved for Exam ☐ Yes ☐ No

Date of Exam	Score	Absent	Date of Exam	Score	Absent

Validation Area

Date Approved by EAB _____

RECEIVED

APR 30 2013
IBEW LOCAL 150

Michigan Department of Licensing and Regulatory Affairs
Bureau of Construction Codes

Notice to Veterans

In accordance with 2012 PA 313, any veteran with an honorable discharge is exempt from examination fees and licensing fees. To receive the exemption, please attach a copy of your DD 214 discharge to the subject application.

RECEIVED

JUN 17 2013

ELECTRICAL
DIVISION

CAUTION: NOT TO BE USED FOR
IDENTIFICATION PURPOSES

THIS IS AN IMPORTANT RECORD.
SAFEGUARD IT.

ANY ALTERATIONS IN SHADED
AREAS RENDER FORM VOID

CERTIFICATE OF RELEASE OR DISCHARGE FROM ACTIVE DUTY

1. NAME (Last, First, Middle) RAJALA Kari Lee		2. DEPARTMENT, COMPONENT AND BRANCH USMC-11		3. SOCIAL SECURITY NO. [REDACTED]		
4.a. GRADE, RATE OR RANK Sgt	4.b. PAY GRADE E-5	5. DATE OF BIRTH (YYMMDD) [REDACTED]		6. RESERVE OBLIG. TERM. DATE Year 34 Month 07 Day 08		
7.a. PLACE OF ENTRY INTO ACTIVE DUTY Milwaukee, WI 53203		7.b. HOME OF RECORD AT TIME OF ENTRY (City and state, or complete address if known) [REDACTED]				
8.a. LAST DUTY ASSIGNMENT AND MAJOR COMMAND MWSS-471 Det A 4th MAW Mpls, MN		8.b. STATION WHERE SEPARATED MWSS-471 Det A 4th MAW Mpls, MN (RUC 03016)				
9. COMMAND TO WHICH TRANSFERRED Marine Reserve Support Command, Overland Park, Kansas (RUC 36005)				10. SGLI COVERAGE Amount: \$200,000 <input type="checkbox"/> None		
11. PRIMARY SPECIALTY (List number, title and years and months in specialty. List additional specialty numbers and titles involving periods of one or more years.) 0151, Administrative Clerk, 6 years 3 months		12. RECORD OF SERVICE				
		a. Date Entered AD This Period		Year(s)	Month(s)	Day(s)
		b. Separation Date This Period		86	07	23
		c. Net Active Service This Period		93	06	11
		d. Total Prior Active Service		06	10	19
		e. Total Prior Inactive Service		00	00	00
		f. Foreign Service		00	00	00
		g. Sea Service		00	11	22
h. Effective Date of Pay Grade		00	00	00		
i. Effective Date of Pay Grade		92	01	01		
13. DECORATIONS, MEDALS, BADGES, CITATIONS AND CAMPAIGN RIBBONS AWARDED OR AUTHORIZED (All periods of service) Navy Achievement Medal, Meritorious Unit Commendation (2nd Award), Good Conduct Medal (2nd Award), National Defense Service Medal, Sea Service Deployment Ribbon, Secretary of Defense Certificate of Commendation, Commanding General Certificate of Commendation, Merit Mast (2nd Award), Letter of Appreciation, Secretary of the Navy Letter of Commendation						
14. MILITARY EDUCATION (Course title, number of weeks, and month and year completed) Basic Typing Course, 2 weeks, February 1987, Administrative Clerk Course, 3 weeks, February 1987, Noncommissioned Officers Course, 5 weeks, November 1991						
15.a. MEMBER CONTRIBUTED TO POST-VIETNAM ERA VETERANS' EDUCATIONAL ASSISTANCE PROGRAM		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	15.b. HIGH SCHOOL GRADUATE OR EQUIVALENT		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
				16. DAYS ACCRUED LEAVE PAID RLB 49.0 SLB 00.0		
17. MEMBER WAS PROVIDED COMPLETE DENTAL EXAMINATION AND ALL APPROPRIATE DENTAL SERVICES AND TREATMENT WITHIN 90 DAYS PRIOR TO SEPARATION <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No						
18. REMARKS Good Conduct Medal period commences 920723. "While a member of the Marine Corps Reserve, you will keep the Director, MCRSC (Toll free 1-800-255-5082, or if within the state of Kansas call commercial (913) 236-3108; if autovon is available, call 465-3110) informed of any change of address, marital status, number of dependents, civilian employment, or physical standards."						
19.a. MAILING ADDRESS AFTER SEPARATION (Include Zip Code) [REDACTED]			19.b. NEAREST RELATIVE (Name and address, include Zip Code) [REDACTED]			
20. MEMBER REQUESTS COPY 6 BE SENT TO <input checked="" type="checkbox"/> MIL <input type="checkbox"/> DIR. OF VET AFFAIRS <input type="checkbox"/> Yes <input type="checkbox"/> No		22. OFFICIAL AUTHORIZED TO SIGN (Typed name, grade, title and signature) J. D. BUTLER, WO, PersO				
21. SIGNATURE OF MEMBER BEING SEPARATED [Signature]						

SPECIAL ADDITIONAL INFORMATION (For use by authorized agencies only)

23. TYPE OF SEPARATION Released from active duty		24. CHARACTER OF SERVICE (Include upgrades) Honorable	
25. SEPARATION AUTHORITY MARCORSEPMAN par. 1005		26. SEPARATION CODE MBK1	27. REENTRY CODE RE-30
28. NARRATIVE REASON FOR SEPARATION Completion of Required Active Service (USMC) EAS			
29. DATES OF TIME LOST DURING THIS PERIOD None		30. MEMBER REQUESTS COPY 4 [Signature]	

Illinois State Department of Labor

Office of Apprenticeship Training, Employer and Labor Services
Bureau of Apprenticeship and Training
Certificate of Completion of Apprenticeship

This is to certify that

Karl P. Rajala
has completed an apprenticeship for the occupation
Electrician

under the sponsorship of
Lahe County Electricians Local #150
Piquetteville, Illinois
in accordance with the basic standards of apprenticeship
established by the Secretary of Labor

William H. West
Karl T. Vogel
June 1, 2003
Date Completed



Robert Chao
Secretary of Labor
Anthony Savage
Administrator, Apprenticeship Training, Employer and Labor Services



The Trustees
of



The National Joint Apprenticeship and Training Committee
for the
INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKERS®
and the
NATIONAL ELECTRICAL CONTRACTORS ASSOCIATION

upon the Recommendation of the
JOINT APPRENTICESHIP AND TRAINING COMMITTEE
do hereby present this diploma to

Israel M. Israel

for recognition of satisfactory completion of their indenture, as indicated by acquiring the minimum number of on-the-job hours, related studies and/or classroom training; thereby accomplishing a degree of knowledge and skill level which is mastered only by those who attain the goals and standards set forth by this Industry. The above named graduate is therefore worthy and deserving of the Internationally Recognized classification of

Journeyman Wireman

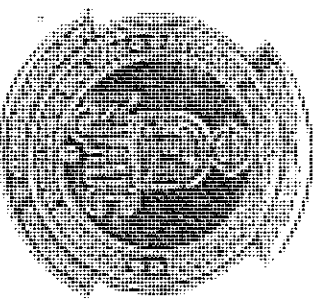
which is herewith conferred as acknowledged by the signatures of the Trustees
on this first day of June in the year 2003

Edmund J. O'Brien

President, IBEW

John M. Stan

Executive Vice President & CEO, NECA



Will H. Hill

Chairman

David H. Hays
Secretary



IBEW

INTERNATIONAL BROTHERHOOD
OF ELECTRICAL WORKERS
LOCAL UNION 150 AFL-CIO

475-1

May 9, 2013

Michigan Department of Consumer
And Industry Services
Bureau of Construction Codes
P.O. Box 30255
Lansing, MI 48909

To Whom It May Concern:

Our records indicate that Karl Rajala has worked at least 14 years and a total of 20,734 hours. Mr. Rajala was initiated into IBEW Local 150 Inside Apprenticeship on June 2, 1999, and has worked through IBEW Local 150 during the period of June 2, 1999 through January 30, 2011. Mr. Rajala is a member of IBEW Local 150.

Mr. Rajala has completed 5 years of apprenticeship at the Lake County JATC.

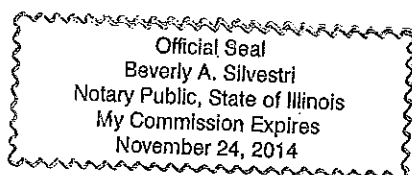
If further information is needed regarding this member, please feel free to contact this office.

Sincerely,

Donald J. Carlson
Business Manager

Dennis Malec
Training Director, JATC

Sworn to and subscribed before me this 13th day of May, 2013



RECEIVED

MAY 15 2013

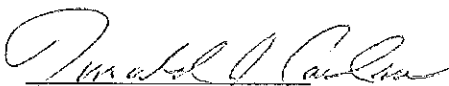
ELECTRICAL
DIVISION

Karl Rajala has worked for the following companies:

Kelso Burnett Electrical.....6/8/1998 – 3/19/1999
Gibson Electric..... 3/22/1999 – 3/31/2000
Lid Electric..... 4/3/2000 - 7/6/2001
Benson Electric..... 7/9/2001 – 10/14/2001
Pieper Electric..... 10/15/2001 – 4/19/2002
Belec Electric..... 4/24/2002 – 8/16/2002
Gurtz Electric..... 8/19/2002 – 2/21/2003
MMM Electric..... 4/30/2003 – 5/13/2003
Jamerson & Bauwens..... 5/20/2003 – 11/24/2004
Benson Electric..... 12/13/2004 – 12/23/2004
Austin Electric..... 1/5/2005 – 1/18/2005
Hardt Electric..... 2/23/2005 – 3/8/2005
Benson Electric..... 3/17/2005 – 6/22/2007
Rex Electric..... 6/26/2007 – 7/9/2007
Terrance Electric..... 7/24/2007 – 9/10/2008
Kelso Burnett..... 3/8/2010 – 3/17/2010

All contractors are signatory with IBEW Local 150.

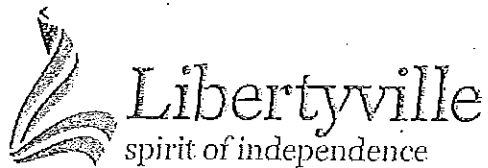
Should you have any questions, please contact me at 847-680-1504



Donald J. Carlson
Business Manager

RECEIVED

IBEW LOCAL 150
847-680-1504



Electrical Exam Requirements

General Information

You must register for the exam through the Village of Libertyville website at www.libertyville.com/electricallicense, or in person at 200 W. Cook Avenue, Libertyville, IL 60048. We have two exam types—Residential Only, or Residential/Commercial/Industrial.

You must fill out the application on-line (credit/debit card only) or in person (cash or check only). In either case, payment will be required at the time of registration. This \$60.00 fee will reserve a seat for you and is not refundable. If you pass the exam, this payment will be applied to your yearly license fee.

You must have at least 8000 hours of verifiable work experience and bring it with you to the exam. Examples of this verification may be in the form of:

- an approved apprenticeship program certificate
- pay stubs from an electrical contractor who employs a licensed supervising electrician
- a current journeyman or master electrician license from another state
- an original letter (no faxes or copies) on company letterhead of your present or past employer verifying your hours, signed by the licensed supervising electrician including their licensing body (municipality) and license number.

You must be at least 21 years of age to be eligible for the exam.

What to bring to the exam:

The 2008 or 2011 NEC code book or handbook (Other versions of the code may have differing answers and could be marked as "wrong")

A valid driver's license or other approved picture ID

A standard, non-programmable, non-printing solar or battery calculator (No ElectricCalc type calculators permitted)

Several SHARPENED pencils

Snacks or drinks (you will be testing for 7 hours).

What NOT to bring to the exam:

Programmable, graphing calculators or any type of computer

Any book or reference materials other than the code book mentioned above. All formulae will be provided, or are in the code book.

Scratch paper—this will be provided at the exam and must remain on site

Cell phones of any type must remain off or in your car

Cameras of any type

Cigarettes or other smoking materials—the Village of Libertyville requires you to be 25' from the testing facility building in order to smoke

After the Exam:

A passing score of 70% is required for all exam versions

Exam results will be mailed to you within 10 working days

If you fail, you may request another exam date following the procedure above. Please note that you may only take an exam twice in any 12 month period.

If you pass, you will be required to pay the balance of the yearly maintenance fee (less the exam fee you already paid). You may pay for and pick up your license certificate in person, or via mail. If there are any changes to your name, business name, address, phone number, etc. let us know immediately. If you will be doing work in the Village of Libertyville, we will require proof of insurance per Village code.



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVE ARWOOD
DIRECTOR

August 22, 2013

E-13-49

TO: Members of the State Electrical Administrative Board
FROM: Dan O'Donnell, Chief, Electrical Division
SUBJECT: Master electrician examination application

APPLICANT REPRESENTATIVE:

Timothy A. Pinney

PROJECT:

N/A

AUTHORITY:

The Michigan Electrical Administrative Act, 1956 PA 217 of the Michigan Compiled Laws.

The Electrical Administrative Board General Rules

REQUEST:

Request to petition the Electrical Administrative Board to sit for the master electrician examination.

APPLICABLE RULE:

1956 PA 217 MCL, 338.883a Sec 3a. (c), MCL 338.883c Sec. 3c. (1) a,b,c,d,e, and Electrical Administrative Board General Rules, R338.1004a Rule 4a. (1), (a), (b), (2), 338.1006a Rule 6a. (1), (2)

FINDINGS:

Mr. Pinney submitted an application to the Electrical Division to sit for the master electrician examination. Mr. Pinney included information that he qualified for and attained a C-10 contractor's license in the State of California in 1995. Additional

Providing for Michigan's Safety in the Built Environment

documentation indicates that Mr. Pinney was employed by BEI Construction, a licensed electrical contractor in California, as their qualifying electrician from December 1998 until December 2003 and attained an additional 10000 hours of electrical experience.

RECOMMENDATION:

In accordance with the acts and rules listed above staff concludes that Mr. Pinney meets the requirements to sit for the State of Michigan master electrician examination and recommends that the board approve his application.



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVE ARWOOD
DIRECTOR

Date Mailed from BCC: 8/6/2013

Timothy A Pinney
[REDACTED]
[REDACTED]

Document E-13-49
Exam Applicant Review

NOTICE OF MICHIGAN ELECTRICAL ADMINISTRATIVE BOARD MEETING

You are hereby notified that in accordance with the Administrative Procedures Act, 1969 PA 306, MCL 24.201 *et seq.*, and the Electrical Administrative Act, being 1956 PA 217 MCL 338.881 *et seq.*, you are scheduled to appear before the Michigan Electrical Administrative Board on:

Date: August 22, 2013
Time: 9:30 a.m.
Location: Department of Licensing and Regulatory Affairs
Bureau of Construction Codes
2501 Woodlake Circle, Conference Room 3
Okemos, MI 48864

This notice is to provide you the opportunity to provide testimony to the board regarding your experience and eligibility to sit for the Master Electrician exam. If you wish to offer any document(s) into evidence, you must file the documentation with Electrical Division prior to the meeting or bring fifteen (15) copies of the information you wish to enter for the board's consideration. In the event you are unable to attend the meeting or you choose not to appear before the board, please contact the Electrical Division in advance of the meeting. In the event that you fail to appear at the meeting as scheduled, a decision may be entered in your absence.

Accompanying this notice is a report outlining our findings and recommendation based upon the Electrical Administrative Act being 1956 PA 217 MCL and the documentation you have provided at the time of mailing. Any questions regarding this matter may be directed to the Electrical Division at (517) 241-9320.


Dan O'Donnell, Chief, Electrical Division

8-6-2013
Date

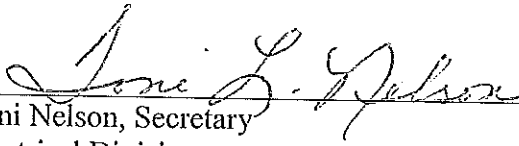
Providing for Michigan's Safety in the Built Environment

LARA is an equal opportunity employer
Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.
P.O. BOX 30254 • LANSING, MICHIGAN 48909
www.michigan.gov/bcc • Telephone (517) 241-9302 • Fax (517) 241-9570

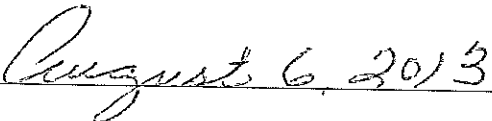
Exam Applicant Review
Timothy A. Pinney
Document No. E-13-49
August 22, 2013
Page 2 of 4

PROOF OF SERVICE



I hereby state, to the best of my knowledge, information, and belief, that a copy of the foregoing document was served on this date upon all parties and/or attorneys of record in this matter by email to those parties employed by the State of Michigan and by first class mail to the remaining parties at their respective addresses as disclosed below.



Toni Nelson, Secretary
Electrical Division
Bureau of Construction Codes



Date

Timothy A. Pinney



BCC Administration

Application for Master Electrician Examination
Michigan Department of Licensing and Regulatory Affairs
Bureau of Construction Codes / Electrical Division
P.O. Box 30255, Lansing, MI 48909
517-241-9320

103

www.michigan.gov/bcc

Agency Use Only

Examination Fee: \$100.00 (nonrefundable)

Authority: 1956 PA 217
Completion: Mandatory
Penalty: Examination will not be given

LARA is an equal opportunity employer/program. Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.

Instructions:

- See back of application for qualifications for examination.
- Complete and sign application. Type or print in ink.
- Application and fee must be received 20 business days prior to the examination date.
- Applicant must not be less than 22 years of age.
- Provide *original notarized* statements from current and past employers documenting required experience with this application. Statements must be on employers' letterhead stationery and include the dates and hours of employment (see qualifications on back of application) and names and license numbers of supervising master electricians. Be sure that all statements are *notarized*.
- Enclose a check made payable to the State of Michigan.
- Mail completed application, required documents, and payment to the address listed above.

Trans Info: 103 18728767-1 06/10/13

CHK#: 16857 Amt: \$100.00

ID: CAL STATE CONTRACTORS LICENSE BOARD

Applicant Information

NAME (Last Name, First Name, Middle Initial)		DATE OF BIRTH		LAST 4 DIGITS OF SOCIAL SECURITY NUMBER*	
PINNEY, TIMOTHY, ASHFORD		[REDACTED]		XXX-XX-[REDACTED]	
ADDRESS		CITY		TOWNSHIP	
[REDACTED]		[REDACTED]		[REDACTED]	
COUNTY	STATE	ZIP CODE	TELEPHONE NUMBER (Include Area Code)		
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]		
JOURNEYMAN LICENSE NUMBER		NUMBER OF YEARS JOURNEYMAN LICENSE HELD		LICENSING JURISDICTION	
[REDACTED]		[REDACTED]		[REDACTED]	

Have you previously taken this examination? ☐ Yes ☒ No

If examination was not administered by the State Electrical Division provide the licensing entity:

City of _____ Township of _____

Examination Site

Examinations are given at the sites listed below. Refer to the enclosed "Schedule of Electrical Board Meetings and Licensing Examinations" for examination dates. Please check below the site you wish to be examined at and indicate a preference of examination month. If approved for examination, an admission card will be mailed to you approximately 10 days prior to the examination date. If the examination you have selected is full, you will be scheduled for the next available examination at your preferred site.

Preferred Site

Preferred Month

☒ Lansing

06/2013

☐ Escanaba

If you have a disability and require an accommodation to take the examination, please submit written documentation from a professional (education professional, doctor, psychologist, psychiatrist) to certify that your disabling condition requires the requested test accommodation. Forms are available from this office.

Certification and Signature

I certify the information is true and accurate to the best of my ability and I have the experience required for this examination. I further understand falsification of any statement is cause for rejection of this application or revocation of license, if issued. If granted a master's license, I swear I will not represent as master more than one person, firm, or corporation and if I resign as master I will notify the electrical administrative board within 10 business days.

APPLICANT'S SIGNATURE

DATE

[Signature]

4/30/13

*This information is confidential. Disclosure of confidential information is protected by the Federal Privacy Act.

**BEI**

CONSTRUCTION, INC.

March 25, 2013

To Whom It May Concern:

This letter is in support of Tim Pinney's application for the Master Electrical Examination for the State of Michigan. Mr. Pinney was employed by BEI Construction from 12/9/1998 to 12/31/2003. During this time Mr. Pinney worked as our Master Electrician and he also qualified our C-10 electrical contractors license in the State of California under license number 528332. During this time period Mr. Pinney worked 2,000 hours per year for a total of 10,000 hours.

The specific trade duties that he performed while employed by BEI Construction encompassed all aspects of the electrical trade including, but not limited to: The hiring of tradesmen, purchasing of materials, and coordinating of labor, materials, and projects. He has performed the layout of project, drilling, pulling wire, EMT, PVC, underground and above ground mounted on studs and concrete walls, and called for rough inspection. He has also completed finish electrical inside and outside of structures, hanging all types of interior and exterior fixtures, track lighting, floor plugs, computer systems, telephone systems, cable TV, central vacuum, intercom, systems from low voltage to 440V. He has called for final inspections and performed pick up work. He has also worked through completion of underground piping for street lights, residential houses, commercial building, as well as industrial buildings, and tenant improvements on industrial projects which also includes repairs and remodeling of existing wiring systems in older buildings as well as new buildings.

Furthermore, Mr. Pinney holds his own C-10 electrical contractors license and we continue to utilize him as a subcontractor on our projects. This additional time frame from 12/31/2003 to present day provides Mr. Pinney an additional 1,000 hours in the electrical trade. Mr. Pinney is a highly skilled and knowledgeable electrician with over 30 years of experience in the field. We highly recommend him as a qualified candidate for the Michigan Master Electrical examination.

Sincerely,

BEI Construction, Inc.

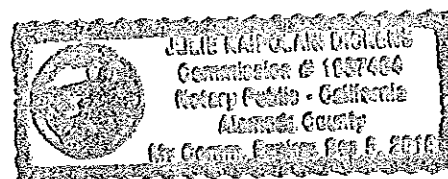
By: Michael Rantz
President

State of California
County of Alameda

On March 25th, 2013, before me, Julie K Dickens, Notary Public, (notary) personally appeared, Michael A. Rantz, President of BEI Construction, personally known to me, to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal

1101 Marina Village Parkway, Suite 100
Alameda, CA 94501
Phone 510.521.3792
Fax 510.865.2594
CA State License No. 528322





DEPARTMENT OF CONSUMER AFFAIRS
Contractors State License Board

Contractor's License Detail - License # 710305

DISCLAIMER: A license status check provides information taken from the CSLB license database. Before relying on this information, you should be aware of the following limitations.

CSLB complaint disclosure is restricted by law (B&P 7124.6). If this entity is subject to public complaint disclosure, a link for complaint disclosure will appear below. Click on the link or button to obtain complaint and/or legal action information.

Per B&P 7071.17, only construction related civil judgments reported to the CSLB are disclosed.

Arbitrations are not listed unless the contractor fails to comply with the terms of the arbitration.

Due to workload, there may be relevant information that has not yet been entered onto the Board's license database.

License Number

710305

Extract Date 5/30/2013

HARVEST ELECTRIC**Business Information**

Business Phone Number: (707) 738-8896

P O BOX 604
HELENA, CA 95408**Entity**

Sole Ownership

Issue Date

07/26/1995

Expire Date

09/30/2013

License Status**ACTIVE**

This license is current and active. All information below should be reviewed.

Classifications

CLASS	DESCRIPTION
C10	<u>ELECTRICAL</u>
B	<u>GENERAL BUILDING CONTRACTOR</u>



DEPARTMENT OF CONSUMER AFFAIRS
Contractors State License Board

Contractor's License Detail (Personnel List)

Contractor License #: 710305

Contractor Name: HARVEST ELECTRIC

Click on the person's name to see a more detailed page of information on that person

NAME	TITLE	ASSOCIATION DATE	DISASSOCIATION DATE	CLASS	MORE CLASS
<u>TIMOTHY ASHFORD PINNEY</u>	SOLE OWNER	07/26/1995		C10	More

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CONTRACTOR'S BOND

This license filed a Contractor's Bond with
WESCO INSURANCE COMPANY.

Bonding

Bond Number: 04WB002052

Bond Amount: \$12,500

Effective Date: 09/16/2012

Contractor's Bond History

WORKERS' COMPENSATION

This license is exempt from having workers compensation insurance; they certified that they have no employees at this time.

Effective Date: 12/01/2010

Expire Date: None

Workers' Compensation

Workers' Compensation History

Personnel List

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DEPARTMENT OF CONSUMER AFFAIRS
Contractors State License Board

Contractor's License Detail - License # 528322

⚠️ DISCLAIMER: A license status check provides information taken from the CSLB license database. Before relying on this information, you should be aware of the following limitations.

- » CSLB complaint disclosure is restricted by law (B&P 7124.6). If this entity is subject to public complaint disclosure, a link for complaint disclosure will appear below. Click on the link or button to obtain complaint and/or legal action information.
- » Per B&P 7071.17, only construction related civil judgments reported to the CSLB are disclosed.
- » Arbitrations are not listed unless the contractor fails to comply with the terms of the arbitration.
- » Due to workload, there may be relevant information that has not yet been entered onto the Board's license database.

License Number 528322**Extract Date 6/12/2013****BEI CONSTRUCTION INC****Business Information**

Business Phone Number: (510) 521-3792

1101 MARINA VILLAGE PARKWAY
SUITE 100

ALAMEDA, CA 94501

Entity

Corporation

- Issue Date

04/14/1988

Expire Date

04/30/2014

License Status**ACTIVE**

This license is current and active. All information below should be reviewed.

Classifications**CLASS DESCRIPTION****B GENERAL BUILDING CONTRACTOR****A GENERAL ENGINEERING CONTRACTOR**

#132 P.004/005

06/12/2013 12:49

From:

C10 ELECTRICAL**CONTRACTOR'S BOND**

This license filed a Contractor's Bond with
OLD REPUBLIC SURETY COMPANY.

Bond Number: WCL1251166

Bond Amount: \$12,500

Effective Date: 04/30/2009

Contractor's Bond History

Bonding**BOND OF QUALIFYING INDIVIDUAL**

1. The Responsible Managing Officer (RMO) RANTZ DAVID MICHAEL certified that he/she owns 10 percent or more of the voting stock/equity of the corporation. A bond of qualifying individual is not required.

Effective Date: 04/12/2004

BOI's Bond History

WORKERS' COMPENSATION

This license has workers compensation insurance with
EVEREST NATIONAL INSURANCE COMPANY

Workers' Compensation

Policy Number: 760000293121

Effective Date: 11/06/2012

Expire Date: 11/06/2013

Workers' Compensation History

DATE	DESCRIPTION
05/30/2002	HAZ CERTIFICATION REMOVED

Personnel listed on this license (current or disassociated) are listed on other licenses.





DEPARTMENT OF CONSUMER AFFAIRS

Contractors State License Board

Contractor's License Detail (Personnel List)

Contractor License #: 528322

Contractor Name: BEI CONSTRUCTION INC

Click on the person's name to see a more detailed page of information on that person

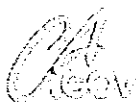
NAME	TITLE	ASSOCIATION DATE	DISASSOCIATION DATE	CLASS	MORE CLASS
HAROLD SCOTT LEWIS	RMO/CEO/PRES	04/14/1988	10/13/1993	B	
DAVID MICHAEL RANTZ	RMO	04/14/1988		B	More
MICHAEL ALAN RANTZ	CEO/PRESIDENT	04/14/1988			
ANTON GEORGE TREIBER	DECEASED	04/14/1988	04/26/1997		
SUSAN SHAW BLACK	RMO/CEO/PRES	10/26/1993	03/01/2002	A	More
TIMOTHY ASHFORD PINNEY	OFFICER	12/09/1998	12/31/2003	C10	
FRANCIS ARTIGUE	RME	07/22/2003	04/12/2004	C10	More
MICHAEL SCOTT LEWIS	OFFICER	07/22/2003			

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From:

06/12/2013 12:49

#132 P.005/005


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Division of Labor Standards Enforcement (DLSE)

Electrician certification program

[español](#)

Labor Commissioner's Office

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To All Electricians working for C-10 Contractors

Who needs to be certified to work in California as an electrician?

Electricians who work for a contractor with a class C-10 license.

What do I need to do to work as an electrician for a contractor licensed as Class C-10 in California?

You can work as an electrician for a class C-10 contractor if...

General electrician

Residential electrician

Fire/life/safety technician

Voice data video technician

Non-residential lighting technician

You have on the job experience of at least...

8,000 hours
Sign up for and pass the exam

4,800 hours
Sign up for and pass the exam

4,000 hours
Sign up for and pass the exam

4,000 hours
Sign up for and pass the exam

2,000 hours
Sign up for and pass the exam

You have some on the job experience, but not the required amount.

Some on the job experience - general electrician

Some on the job experience - residential electrician

Some on the job experience - fire/life/safety technician

Some on the job experience - voice/data/video technician

Some on the job experience - non-residential lighting technician

You are a registered apprentice participating in a state approved apprenticeship program.

Registered apprentice - general electrician

Registered apprentice - residential electrician

Registered apprentice - fire/life/safety technician

Registered apprentice - voice/data/video technician

Registered apprentice - non-residential lighting technician

You have decided to embark on a career as an electrician and have no experience or related instruction.

No on the job experience or instruction - general electrician

No on the job experience or instruction - residential electrician

No on the job experience or instruction - fire/life/safety technician

No on the job experience or instruction - voice/data/video technician

No on the job experience or instruction - non-residential lighting technician

File a Claim

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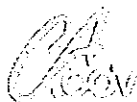
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Division of Labor Standards Enforcement (DLSE)

General electrician

[español](#)

To apply to take the exam for electrician certification, fill out the following:

The application form is available in [pdf](#) version to download and complete off-line.

[Electrician certification application directions](#)

Required - 8000 hours of work for an electrical contractor installing, constructing or maintaining electrical systems covered by the National Electrical Code. The 8000 hours must consist of work in two or more of the following areas, and the maximum number of hours in a particular area that may be counted toward the 8000 hours total are as follows:

Category	Maximum credit hours
Troubleshooting and Maintenance	1500
Finish Work and Fixtures	600
Fire/Life Safety, Nurse Call	600
Industrial Wiring	6000
Voice Data and Video Installation	1500
Underground Conduit Installation	750
Stock Room and Material Handling	300
Residential Wiring	3000
Commercial Wiring	6000
Total credit hours	8000
	Required minimum hours

Labor Commissioner's Office

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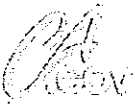
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Electrical certification FAQs

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Topics covered in this FAQ include:

Who is required to be certified?
What do I need to know about certification?
Can you tell me about the application process?
I am a trainee and have questions
I have questions about the test
What if I fail the test?
Renewal Certification Questions
Enforcement Questions

Who is required to be certified?

Is it true that licensed electrical contractors themselves are not required to obtain the certification?

If you are a licensed C-10 contractor licensed by the Contractors' State License Board, then you do not need to be certified. However, if you have employees that work under you then they need to get certified. Please visit our website for more information about certification. Note that if you are a licensed C-10 contractor but working under another C-10 contractor's license as an employee you must be certified.

Who is required to be certified?

Labor Code section 108.2 (b)

Certification is required only for those persons who perform work as electricians for contractors licensed as class C-10 electrical contractors under the Contractors' State License Board Rules and Regulations. Certification is not required for persons performing work for contractors licensed as class C-7 low voltage systems or class C-45 electric sign contractors as long as the work performed is within the scope of the class C-7 or class-45 license, including incidental and supplemental work as defined in Section 7059 of the Business and Professions Code, and regardless of whether the same contractor is also licensed as a class C-10 contractor.

Labor Code section 108 (c)

As used in this section, "electricians" includes all persons who engage in the connection of electrical devices for electrical contractors licensed pursuant to Section 7058 of the Business and Professions Code, specifically, contractors classified as electrical contractors in the Contractors' State License Board Rules and Regulations. This section does not apply to electrical connections under 100 volt-amperes. This section does not apply to persons performing work to which Section 7042.5 of the Business and Professions Code is applicable, or to electrical work ordinarily and customarily performed by stationary engineers. This section does not apply to electrical work in connection with the installation, operation, or maintenance of temporary or portable electrical equipment performed by technicians in the theatrical, motion picture production, television, hotel, exhibition, or trade show industries.

In a short answer, who is required to be certified?

All electricians who make connections of greater than 100 volt amps who work for C-10 Contractors.

I have a C-10 license; do I have to be certified?

No, sole owners who have a license in their own name need not be certified.

I am a foreman for a contractor and sometimes I work with the tools for that work. Do I have to be certified?

Yes.

I work for a school district or a plant as an electrician, do I need to be certified?

No, only employees of C-10 Licensed Contractors.

I am an electrician moving to California from out of state, do I need to be certified? Is there a grace period for obtaining certification when moving to the state?

Yes, out of state electricians need to be certified before they can start working in California, there is no grace period.

What if I'm only coming into California to work for a short time as an electrician on one job?

All electricians working for C-10 licensed contractors should be certified regardless of the length of the project.

I have questions about the test.

What happens if I miss the date I'm scheduled to take the test?

An applicant who misses the test date will forfeit all fees he/she has paid. He/she needs to fill out a retest form and pay both the application fee (\$75.00) and examination fee (100.00)

Where are the testing sites located?

There are currently 22 test sites. Please refer to updated locations for PSI on pg 2-4 of the Electrical Certification Candidate Information Bulletin (CIB) for locations and directions.

Is the test a written exam?

No, the test is on a computer. Little to no experience is needed to operate the computer. A short practice lesson is given prior to the test. For more information on preparing for the test go to <http://www.psiexams.com>.

Is the test true/false, multiple choice, fill in the blank or essay?

All questions are multiple choice.

What is the content of the exam?

For examination content outline, please refer to PSI content outline of the Electrical Certification Candidate Information Bulletin (CIB).

Is this an open-book test?

Yes. Materials are provided at the test site.

What should I study in preparation for the exam?

The test will be based according to the NEC Code book and other references specified in the content outline found on the Test Info for each classification.

How many questions are on the test?

	General electrician	Residential electrician	Fire/ life/ safety	Voice, data, video technician	Non-residential lighting technician
Number of questions given	100 questions	80 questions	50 questions	50 questions	50 questions
Time given to take the test	4 hours	3 hours	2 hours	2 hours	2 hours

Are there any sample questions available?

Yes, at test taking information.

Is the test available in languages other than English?

The test is also available in Spanish.

What identification is required for certification?

A valid state issued photo identification or driver's license is required.

If you present yourself at the test site with an expired identification, you will be turned away and forfeit all fees you have paid.

When will I receive my certification card?

Upon passing a score report indicating "congratulations" will be issued to you at the exam site. A plastic card will be mailed to you within 2 weeks after passing the test. If you are an apprentice, confirmation and verification of your graduation is needed before your card can be released.

Back to top

What if I fail the test?

What happens if I fail the test?

A score report showing your actual percent will be issued to you.

A minimum score of 70% is required to pass the test. If you don't pass the first time you can take it again 60 days from the date of the last exam.

If I don't pass the test how soon can I take it again?

There is a 60 day waiting period before you can retake the exam. You need to submit the Retest Application form with a \$100.00 exam fee each time you retest.



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVE ARWOOD
DIRECTOR

August 22, 2013

E-13-50

TO: Members of the State Electrical Administrative Board

FROM: Dan O'Donnell, Chief, Electrical Division

SUBJECT: Master electrician examination application

APPLICANT REPRESENTATIVE:

Timothy J. Boling

PROJECT:

N/A

AUTHORITY:

The Michigan Electrical Administrative Act, 1956 PA 217 of the Michigan Compiled Laws.

The Electrical Administrative Board General Rules

REQUEST:

Request to petition the Electrical Administrative Board to sit for the master electrician examination.

APPLICABLE RULE:

1956 PA 217 MCL, 338.883a Sec 3a. (c), MCL 338.883c Sec. 3c. (1) a,b,c,d,e, and Electrical Administrative Board General Rules, R338.1004a Rule 4a. (1), (a), (b), (2), 338.1006a Rule 6a. (1), (2).

FINDINGS:

Mr. Boling submitted an application to the Electrical Division to sit for the master electrician examination. The information submitted by Mr. Boling does not indicate that he worked under the supervision of a master electrician as is stipulated for in 1956 PA

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217 being the Electrical Administrative Act. Section 338.883c Sec. 3c. (1) (d) of the act requires that a person must attain 12000 hours of electrical experience over a period of not less than 6 years under the supervision of a master electrician to qualify for the master electrician examination in the State of Michigan. Mr. Boling did qualify for and pass an examination for a master electrician license in Columbus, Indiana in 2011. Mr. Boling also qualified for and passed an examination for an unlimited electrical contractor's license in the State of North Carolina in January of 2012.

RECOMMENDATION:

In accordance with the acts and rules listed above staff concludes that Mr. Boling does not meet the requirements to sit for the State of Michigan master electrician examination and recommends that the board deny his application. Staff would recommend the board approve Mr. Boling to sit for the journey electrician examination



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVE ARWOOD
DIRECTOR

Date Mailed from BCC: August 8, 2013

Timothy J. Boling
[REDACTED]
[REDACTED]

Document E-13-50
Exam Applicant Review

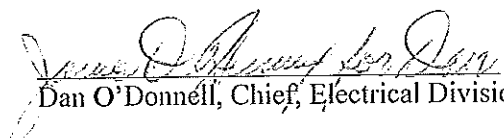
NOTICE OF MICHIGAN ELECTRICAL ADMINISTRATIVE BOARD MEETING

You are hereby notified that in accordance with the Administrative Procedures Act, 1969 PA 306, MCL 24.201 *et seq.*, and the Electrical Administrative Act, being 1956 PA 217 MCL 338.881 *et seq.*, you are scheduled to appear before the Michigan Electrical Administrative Board on:

Date: August 22, 2013
Time: 9:30 a.m.
Location: Department of Licensing and Regulatory Affairs
Bureau of Construction Codes
2501 Woodlake Circle, Conference Room 3
Okemos, MI 48864

This notice is to provide you the opportunity to provide testimony to the board regarding your experience and eligibility to sit for the Master Electrician exam. If you wish to offer any document(s) into evidence, you must file the documentation with Electrical Division prior to the meeting or bring fifteen (15) copies of the information you wish to enter for the board's consideration. In the event you are unable to attend the meeting or you choose not to appear before the board, please contact the Electrical Division in advance of the meeting. In the event that you fail to appear at the meeting as scheduled, a decision may be entered in your absence.

Accompanying this notice is a report outlining our findings and recommendation based upon the Electrical Administrative Act being 1956 PA 217 MCL and the documentation you have provided at the time of mailing. Any questions regarding this matter may be directed to the Electrical Division at (517) 241-9320.


Dan O'Donnell, Chief, Electrical Division

7 AUG 2013
Date

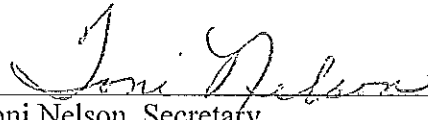
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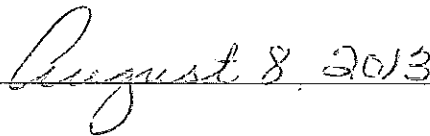
Exam Applicant Review
Timothy J. Boling
Document No. E-13-50
August 22, 2013
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PROOF OF SERVICE

I hereby state, to the best of my knowledge, information, and belief, that a copy of the foregoing document was served on this date upon all parties and/or attorneys of record in this matter by email to those parties employed by the State of Michigan and by first class mail to the remaining parties at their respective addresses as disclosed below.



Toni Nelson, Secretary
Electrical Division
Bureau of Construction Codes



Date

Timothy J. Boling



BCC Administration

Application for Master Electrician Examination
Michigan Department of Licensing and Regulatory Affairs
Bureau of Construction Codes / Electrical Division
P.O. Box 30255, Lansing, MI 48909
517-241-9320
www.michigan.gov/bcc

103

Agency Use Only

Examination Fee: \$100.00 (nonrefundable)

Authority: 1956 PA 217
Completion: Mandatory
Penalty: Examination will not be given

LARA is an equal opportunity employer/program. Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.

Instructions:

- See back of application for qualifications for examination.
- Complete and sign application. Type or print in ink.
- Application and fee must be received 20 business days prior to the examination date.
- Applicant must not be less than 22 years of age.
- Provide **original notarized** statements from current and past employers documenting required experience with this application. Statements must be on employers' letterhead stationery and include the dates and hours of employment (see qualifications on back of application) and names and license numbers of supervising master electricians. Be sure that all statements are **notarized**.
- Enclose a check made payable to the State of Michigan.
- Mail completed application, required documents, and payment to the address listed above.

Applicant Information

NAME (Last Name, First Name, Middle Initial) <i>Boling T Josh</i>		DATE OF BIRTH [REDACTED]	LAST 4 DIGITS OF SOCIAL SECURITY NUMBER* XXX-XX-[REDACTED]
ADDRESS [REDACTED]	CITY [REDACTED]	TOWNSHIP [REDACTED]	
COUNTY [REDACTED]	STATE [REDACTED]	ZIP CODE [REDACTED]	TELEPHONE NUMBER (Include Area Code) [REDACTED]
JOURNEYMAN LICENSE NUMBER <i>MASTER EC 1220016 / 123911-U</i>	NUMBER OF YEARS JOURNEYMAN LICENSE HELD <i>3</i>	LICENSING JURISDICTION <i>Indianapolis / N.C.</i>	

Have you previously taken this examination? ☐ Yes ☒ No

If examination was not administered by the State Electrical Division provide the licensing entity:

City of _____ Township of _____

Examination Site

Examinations are given at the sites listed below. Refer to the enclosed "Schedule of Electrical Board Meetings and Licensing Examinations" for examination dates. Please check below the site you wish to be examined at and indicate a preference of examination month. If approved for examination, an admission card will be mailed to you approximately 10 days prior to the examination date. If the examination you have selected is full, you will be scheduled for the next available examination at your preferred site.

<u>Preferred Site</u>	<u>Preferred Month</u>
<input checked="" type="checkbox"/> Lansing	<i>may</i>
<input type="checkbox"/> Escanaba	_____

APR 03 2013

ELECTRICAL
DIVISION

If you have a disability and require an accommodation to take the examination, please submit written documentation from a professional (education professional, doctor, psychologist, psychiatrist) to certify that your disabling condition requires the requested test accommodation. Forms are available from this office.

Certification and Signature

I certify the information is true and accurate to the best of my ability and I have the experience required for this examination. I further understand falsification of any statement is cause for rejection of this application or revocation of license, if issued. If granted a master's license, I swear I will not represent as master more than one person, firm, or corporation and if I resign as master I will notify the electrical administrative board within 10 business days.

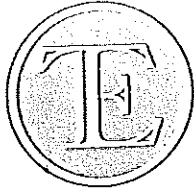
APPLICANT'S SIGNATURE

T. Boling

DATE

3-26-13

*This information is confidential. Disclosure of confidential information is protected by the Federal Privacy Act.



TITAN ELECTRIC COMPANY, INC.

4201 I STUART ANDREW BLVD. CHARLOTTE, NC 28217
I-855-2-GO-TITAN GOTITANELECTRIC.COM

March 25th, 2013

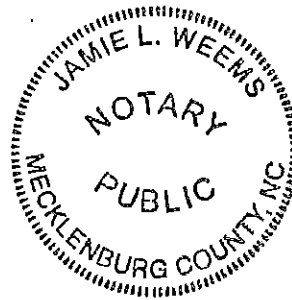
To whom it may concern:

Timothy Joshua Boling is a licensed employee with our company, and has permission to submit licensing applications as necessary. He has over 12 years' experience in electrical work and over 20,000 hours of experience. If you have any questions, please feel free to contact us at the number above.

Sincerely,

Laura B Reese

Laura B Reese
Administrative Assistant
Titan Electric Company, Inc.
4201 I Stuart Andrew Blvd.
Charlotte, NC 28217
704-522-7676 ext. 108
980-272-9304 fax



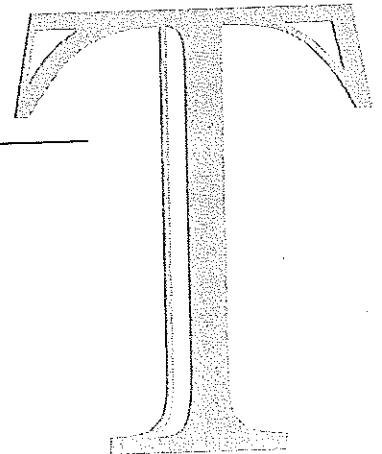
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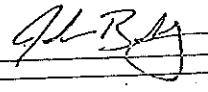
ELECTRICAL
DIVISION

Witnessed by Jamie L. Weems, notary

My commission expires: March 7, 2018

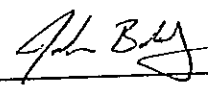


City of Indianapolis - Department of Code Enforcement
License Type: Electrical
License Number: EC1200016
Titan Electric Company
Titan Electric Company - EC1200016
is duly licensed to practice in Marion County as a(n)
Corporation until 12/31/2013 unless suspended or
revoked by law.

Signature: 

City of Indianapolis - Department of Code Enforcement

License Type: Electrical
License Number: EH1200016
JOSH BOLING
TITAN ELECTRIC COMPANY - EC1200016
is duly licensed to practice in Marion County as a License Holder
until 12/31/2013 unless suspended or revoked by law.

Signature: 



**State Board of Examiners
of Electrical Contractors**
P.O. Box 18727
Raleigh, North Carolina 27619-8727

*This card is to certify that the individual named below has taken
and passed the qualifying examination for the referenced
Electrical Contracting License Classification.*

TIMOTHY BOLING

1/25/2012

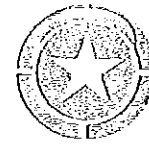
Unlimited Examination

This card is not an Electrical Contracting License.

RECEIVED

PAID

ELECTRICAL
DIVISION



Indianapolis
Gregory A. Ballard, Mayor

March 26, 2013

To Whom It May Concern:

We have received a request from Josh Boling to furnish your office with the following information:

Mr. Josh Boling passed the Prometric (formerly Thomson Prometric, Expor Assessments, and Block and Associates) examination for a Master Electrical license in Columbus, Indiana on May 14, 2011. This examination was graded by Prometric in St. Paul, Minnesota with the results were returned to the Columbus, Indiana office, where they sponsored his examination. Mr. Boling received a passing score of 77.0%, and he reciprocated his Master Electrical license to Indianapolis. Mr. Boling's Master Electrical license will expire in Indianapolis on December 31, 2013.

If you need further or additional information, I can be reached at the following telephone number (317) 327-8467.

Sincerely,

Tonya Hilliard
Trade Board Secretary

RECEIVED

MAR 27 2013

ELECTRICAL
DIVISION

DEPARTMENT OF CODE ENFORCEMENT

1200 Madison Ave., Ste. 100 | Indianapolis, IN 46225 | Phone: (317) 327-8700 | www.indy.gov
Fax Numbers: Building - 327-8475 | Business Licensing - 327-0817 | Crafts - 327-5397
Infrastructure/Right of Way - 327-3125 | Permits - 327-5174 | Zoning - 327-8686

PROMETRIC

EXAMINATION RESULTS NOTIFICATION
May 19, 2011

Josh Boling
[REDACTED]
[REDACTED]

Dear Candidate:

We are pleased to inform you that you achieved a passing score on your recent Bartholomew County/Columbus examination.

Your score(s) are as follows:

05/14/2011 Columbus, IN

Master Electrical

Pass

Bartholomew County/Columbus requires a passing percentage of 75%.

Please note that passage of the exam is no guarantee a certificate of qualification will be issued by the Licensing Board.

To help you gain the recognition you deserve, Prometric has prepared a Certificate of Achievement, beautifully designed and very suitable for framing (8-1/2 x 11) for only \$30.00 per category.

Please fill out the order form below, cut along the dotted line, then send the completed form to Prometric. Payment options: check, money order, Visa or MasterCard. Credit card orders may be faxed to (800)813-6670. All others send to Prometric, 1260 Energy Lane, St. Paul, MN 55108. Allow 2-3 weeks for delivery.

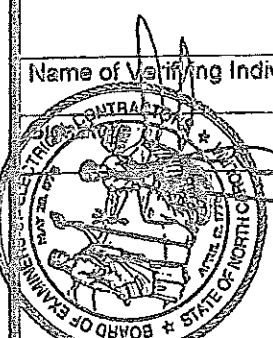
Certificate of Achievement Request

RECEIVED

MAY 19 2011

ELECTRICAL
DIVISION

Section IX - Verification of Licensee in Good Standing

Verification of Licensee in Good Standing (To be completed by: State Licensing Agency)	
Name of License Holder as it appears on License: Timothy Joshua Boling	
Business Name as it appears on License: Titan Electric Company Inc.	
Date License issued: 07/13/2010	License Number: 28911-U
Current Status of License: Active	Expiration Date of License: 07/13/2013
Classification of License Held: Limited, Unlimited	
Method of Licensee	
Licensed by Examination: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Examination Category: Limited, Unlimited
Type of Exam Taken (e.g. In House, NAI, Block): In House	Examination Date and Score: 05/27/2010, 01/25/2012
Reciprocity/Endorsement from What State:	Other Method (Please Explain):
Has the License Holder Ever Had Any Disciplinary Action Taken Against His/Her License? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, please provide the following information:	
Date of Discipline: _____ Sanctions Imposed: _____	
Has Licensee Complied with Sanctions? <input type="checkbox"/> Yes <input type="checkbox"/> No (Please Explain)	
Name of Verifying Individual: Tonya Lynch	Title: Administrative Assitant
 Seal	Agency: NC State Board of Electrical
	Address: 3101 Industrial Drive, #206
	City, State, Zip: Raleigh, NC 27609
	Telephone: 919 733-9042

Instructions to verifying State: Please return the original document to the licensee for inclusion in their application package.

RECEIVED

JUN 13 2012

ELECTRICAL
DIVISION

STATE OF NORTH CAROLINA

STATE BOARD OF EXAMINERS OF ELECTRICAL CONTRACTORS

ELECTRICAL CONTRACTING QUALIFYING EXAMINATION RESULTS

P.O. Box 18727 Raleigh, NC 27619-8727 (919) 733-9042

Test Taker

TIMOTHY BOLING

Limited Examination

5/27/2010

LIM



PASS

We are pleased to report that you made a passing grade on your examination. Your performance for this examination is as follows:

CONTENT AREA	Number Correct	Total Possible
01. Bonding and Grounding		10
02. Overcurrent Protection		9
03. Wiring Methods and Terminations		10
04. Boxes and Fittings		8
05. Service Entrance and Equipment		11
06. Motors and Control Wiring		7
07. Special Occupancies and Hazardous Locations		6
08. Load Calculations		11
09. Appliances, Equipment, and Lighting		7
10. General		3
11. Laws, Rules, Basic Business Practices and Practical Applications		18
		<hr/> 100

RECEIVED

APR 28 2013

ELECTRICAL
DIVISION

You are now eligible to obtain a license. Please call the Board office (919) 733-9042 to request license application forms. The Board's regular hours of operation are Monday through Friday, 8:30 a.m. - 5:00 p.m.

Congratulations on your achievement and we look forward to hearing from you soon.

Unless you hold a current electrical contracting license issued by the Board, it is unlawful for you to engage or offer to engage in the business of electrical contracting as defined in G.S. 87-43.

STATE OF NORTH CAROLINA

STATE BOARD OF EXAMINERS OF ELECTRICAL CONTRACTORS
ELECTRICAL CONTRACTING QUALIFYING EXAMINATION RESULTS

P.O. Box 18727 Raleigh, NC 27619-8727 (919) 733-9042

Test Taker

TIMOTHY BOLING

Unlimited Examination

1/25/2012



PASS

We are pleased to report that you made a passing grade on your examination. Your performance for this examination is as follows:

CONTENT AREA

01. Bonding and Grounding
02. Overcurrent Protection
03. Wiring Methods and Terminations
04. Boxes and Fittings
05. Service Entrance and Equipment
06. Motors and Control Wiring
07. Special Occupancies and Hazardous Locations
08. Load Calculations
09. Appliances, Equipment, and Lighting
10. General
11. Laws, Rules, Basic Business Practices and Practical Applications

Number Correct

Total Possible

11
9
10
7
9
9
9
11
7
3
15

100

RECEIVED

APR 03 2013

ELECTRICAL
DIVISION

You are now eligible to obtain a license. Please call the Board office (919) 733-9042 to request license application forms. The Board's regular hours of operation are Monday through Friday, 8:30 a.m. - 5:00 p.m.

Congratulations on your achievement and we look forward to hearing from you soon.

Unless you hold a current electrical contracting license issued by the Board, it is unlawful for you to engage or offer to engage in the business of electrical contracting as defined in G.S. 87-43.



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVE ARWOOD
DIRECTOR

April 12, 2013

1. Josh
Josh T. Boling
[REDACTED]
[REDACTED]

Dear Mr. Boling :

Your application for the May 2013 master electrical examination has been received by our office. In accordance with 1956 PA 217 MCL section 338.883a and the Electrical Administrative Board General Rule R338.1006a, out of state work experience has to be reviewed by the Electrical Administrative Board.

For the board to properly review your application please provide the following information:

A person who is licensed as a master or journeyman electrician in another state or country may qualify for examination upon a determination by the board that the license was obtained by the person through substantially the same or equal requirements as those of the state of Michigan.

1. Provide a copy of your current journey or master license and the licensing requirements for the city, township, village, county, state, or country that issued your current electrical license.
2. Provide copies of the electrical contractor's license that provided your employment and the qualifying master electrician's license for verification. Also documentation stating how long the contractor and master have been licensed.
3. A copy of the licensing requirements for the city, township, village, county, state or country that issued the license for the master electrician that supervised you.
4. A copy of the license requirements for the city, township, village, county, state or country that issued the license for the contractor who provided your employment.

Providing for Michigan's Safety in the Built Environment

LARA is an equal opportunity employer
Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.
P.O. BOX 30254 • LANSING, MICHIGAN 48909
www.michigan.gov/bcc • Telephone (517) 241-9302 • Fax (517) 241-9570

5. Letter(s) of documentation of 12000 hours over a period of not less than six years, (with a minimum of 4000 hours and 2 years as a licensed journeyman) under the supervision of a licensed master electrician, signed by the master or contractor of record for the company and notarized. Letter must show the beginning and ending dates (month, day, year) of employment and total number of hours worked.

Please provide our office with the additional information or if you do not wish to have your exam application presented to the Electrical Administrative Board, please send us a letter requesting your application be removed from the board meeting. Return a copy of this letter along with additional information to LARA, Electrical Division, PO Box 30254, Lansing MI 48909.

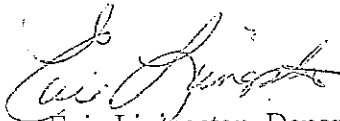
You will need to submit any additional information or letters to our office by April 30, 2013.

If all the additional information requested is received and your application is complete, then your application will be presented to the Electrical Administrative Board on May 23, 2013. You will receive a notice of hearing 10 days prior to the board meeting.

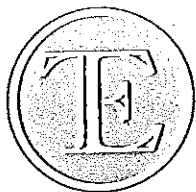
If you are unable to provide the additional information or do not wish to have your application presented to the Electrical Administrative Board, you will be ineligible for the examination and any fees paid will be forfeited as outlined in Rule 338.1002a of the General Electrical Administrative Board Rules.

Please contact the Electrical Division at 517-241-9320 if you have any questions.

Sincerely,



Evie Livingston, Departmental Technician
Electrical Division



TITAN ELECTRIC
COMPANY, INC.

4201 I STUART ANDREW BLVD. CHARLOTTE, NC 28217
1-855-2-GO-TITAN GOTITANELECTRIC.COM

April 22, 2013

To Whom It May Concern,

Employment Verification and Hours Report for Timothy Joshua Boling.

Dates of Employment: 5/2010 to Present

Hours Works: 6240 hours

Work Experience: Partner, Sr. Project Manager & Master License Holder

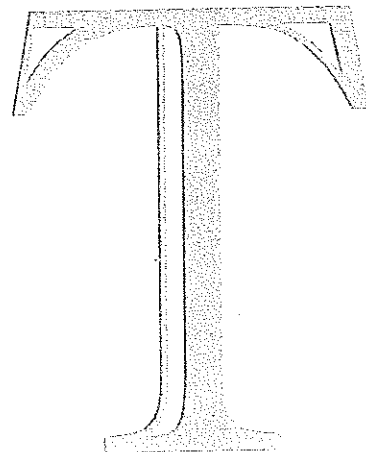
Sincerely,

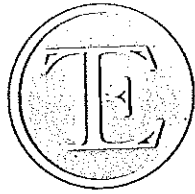
Josiah Boling
President

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APR 24 2013

ELECTRICAL
DIVISION

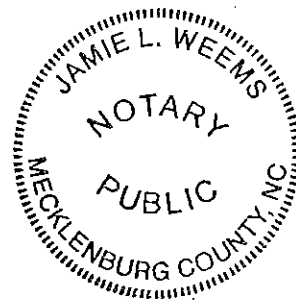




TITAN ELECTRIC
COMPANY, INC.

4201 I STUART ANDREW BLVD. CHARLOTTE, NC 28217
I-855-2-GO-TITAN GOTITANELECTRIC.COM

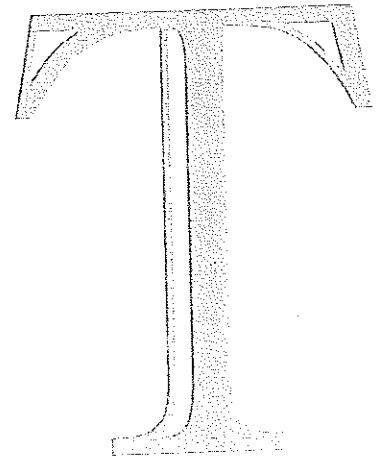
Titan Electric Company, Inc.
4201 I Stuart Andrew Blvd.
Charlotte, NC 28217
704-522-7676 ext. 108
980-272-9304 fax



Witnessed this 22nd day of April, 2013

Jamie L. Weems, Notary My commission expires: march 7, 2018

RECEIVED
APR 24 2013
TECHNICAL
DIVISION



Josiah Boling, President
Josiah@gotitanelectric.com

I-855-2-GO-TITAN
GOTITANELECTRIC.COM

704-248-1740

Trent Electric Company, Inc.

P.O. BOX 898
PLAINFIELD, INDIANA 46168
PH. (317) 839-3996 FAX: (317) 839-9644

April 22, 2013


To Whom It May Concern:

RE: Timothy Joshua Boling

Dates of Employment: August 2001 – June 2005

Hours worked: 9,360

Work Experience: Residential wiring 75% (7,020 hours)
Planning and Layout 25% (2,340 hours)



Kelly Bassler
Office Manager
Trent Electric Co. Inc.

Kelly D Bassler - Notary
Commission Expires - 38-2017

RECEIVED
APR 25 2013
ELECTRICAL
DIVISION



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVE ARWOOD
DIRECTOR

May 2, 2013

Timothy Josh Boling
[REDACTED]
[REDACTED]

Dear Mr. Boling:

Your application for the May 30, 2013 master electrical examination has been received by our office. In accordance with 1956 PA 217 MCL section 338.883a and the Electrical Administrative Board General Rule R338.1006a, out of state work experience has to be reviewed by the Electrical Administrative Board.

For the board to properly review your application please provide the following information:

A person who is licensed as a master or journeyman electrician in another state or country may qualify for examination upon a determination by the board that the license was obtained by the person through substantially the same or equal requirements as those of the state of Michigan.

1. Provide a copy of the licensing requirements for the city, township, village, county, state, or country that issued your electrical license where your hours are being documented from. Please provide requirements for Indianapolis IN.
2. Provide copies of the electrical contractor's license that provided your employment and the qualifying master electrician's license for verification. Also documentation stating how long the contractor and master have been licensed. Please provide a copy of Josiah Boling's contractor and master license and a copy of the master and contractor licenses for Trent Electric Company
3. A copy of the licensing requirements for the city, township, village, county, state or country that issued the license for the master electrician that supervised you.
4. A copy of the license requirements for the city, township, village, county, state or country that issued the license for the contractor who provided your employment.

Providing for Michigan's Safety in the Built Environment

LARA is an equal opportunity employer
Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.
P.O. BOX 30254 • LANSING, MICHIGAN 48909
www.michigan.gov/bcc • Telephone (517) 241-9302 • Fax (517) 241-9570

Timothy Josh Boling
May 2, 2013
Page 2

5. Letter(s) of documentation of 12000 hours over a period of not less than six years, (with a minimum of 4000 hours and 2 years as a licensed journeyman) under the supervision of a licensed master electrician, signed by the master or contractor of record for the company and notarized. Letter must show the beginning and ending dates (month, day, year) of employment and total number of hours worked. The letter from Trent Electric was signed and notarized by the office manager. A person can not notarize their own signature. The letter from Trent Electric needs to be signed by the contractor or master of record for the company. The letter from Titan Electric was not notarized.

Please provide our office with the additional information or if you do not wish to have your exam application presented to the Electrical Administrative Board, please send us a letter requesting your application be removed from the board meeting. Return a copy of this letter along with additional information to LARA, Electrical Division, PO Box 30254, Lansing MI 48909.

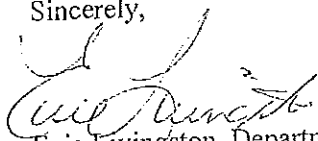
You will need to submit any additional information or letters to our office by July 1, 2013.

If all the additional information requested is received and your application is complete, then your application will be presented to the Electrical Administrative Board on August 22, 2013. You will receive a notice of hearing 10 days prior to the board meeting.

If you are unable to provide the additional information or do not wish to have your application presented to the Electrical Administrative Board, you will be ineligible for the examination and any fees paid will be forfeited as outlined in Rule 338.1002a of the General Electrical Administrative Board Rules.

Please contact the Electrical Division at 517-241-9320 if you have any questions.

Sincerely,



Evie Livingston, Departmental Technician
Electrical Division

LICENSE NUMBER
28911-U

STATE OF NORTH CAROLINA
BOARD OF EXAMINERS OF ELECTRICAL CONTRACTORS

EXPIRATION DATE
07/13/2013

This is to certify that:

Qualifiers: Timothy Joshua Boling

is duly registered and qualified as a contractor in the
Electrical Contracting in the
Limitation: Any project regardless of value

Titan Electric Company Inc.
4205 D Stuart Andrew Blvd
Charlotte, NC 28217

Witness our hands and seal of the Board

Dennis M. Butler
Robert J. Butler
Secretary
Secretary - Treasurer

NOV 15 2013

NOV 15 2013

- 3) a record or summary of oral presentations, if any; and
 4) a copy of the declaratory ruling.
 History Note: Authority G.S. 87-42; 150B-4;
 Eff. October 1, 1988.

SECTION .0200 : EXAMINATIONS

.0201 REQUIREMENTS FOR ALL EXAMINATION APPLICANTS

(a) To take an examination in any electrical contracting license classification, the applicant must:

- 1) be at least 18 years of age;
- 2) submit the required duly filed application as defined in Rule .0210;
- 3) submit with the application written statements from at least two persons attesting to the applicant's good character; and
- 4) meet any other requirements set out in Paragraph (b) of this Rule.

(b) Examination applicants must meet the following requirements for the specified license classifications:

- 1) Limited classification. An applicant must have at least four years of experience, as defined in Rule .0202 of this Section, of which at least two years shall be primary experience. The balance of experience may be primary, secondary or both.
- 2) Intermediate classification. An applicant must have at least six years of experience, as defined in Rule .0202 of this Section, of which at least four years shall be primary experience. The balance of experience may be primary, secondary or both.
- 3) Unlimited classification. An applicant must:
 - A) have at least seven years of experience, as defined in Rule .0202 of this Section, of which at least five years shall be primary experience. The balance of experience may be primary, secondary or both, and
 - B) submit with the application written statements from at least two persons, who are knowledgeable of the applicant's electrical experience, attesting to the applicant's ability to supervise and direct all electrical wiring or electrical installation work done by an electrical contracting business in the unlimited classification.
- 4) Single family detached residential dwelling (SP-SFD) classification. An applicant must have at least four years of experience, as defined in Rule .0202 of this Section, of which at least two years shall be primary experience. The balance of experience may be primary, secondary or both.
- 5) Special restricted fire alarm/low voltage (FALV) classification. An applicant must have at least three years of experience, as defined in Rule .0202 of this Section, of which at least two years shall be primary experience. The balance of experience may be primary, secondary or both. An applicant in this classification may also receive creditable experience for service in any of the capacities listed in Rule .0202 that the applicant gained in the low voltage field.
- 6) Special restricted elevator (SP-EL) classification. An applicant must:
 - A) have at least four years of experience, as defined in Rule .0202 of this Section, of which at least two and one-half years shall be primary experience. The balance of experience may be primary, secondary or both. An applicant in this classification may also receive creditable experience for service in any of the capacities listed in Rule .0202 that the applicant gained in the elevator field, and
 - B) include on the application information verifying that the applicant is primarily engaged in, or is regularly employed by and will be the listed qualified individual for a firm that is primarily engaged in, a lawful elevator business in this State.
- 7) Special restricted plumbing and heating (SP-PH) classification. An applicant must:
 - A) have at least three years of experience, as defined in Rule .0202 of this Section, of which at least two years shall be primary experience. The balance of experience may be primary, secondary or both. An applicant in this classification may also receive creditable experience for service in any of the capacities listed in Rule .0202 that the applicant gained in the plumbing, heating or air conditioning field, and
 - B) include on the application information verifying that the applicant is primarily engaged in, or is regularly employed by and will be the listed qualified individual for a firm that is primarily engaged in, a lawful plumbing, heating or air conditioning business in this State.
- 8) Special restricted ground water pump (SP-WP) classification. An applicant must:
 - A) have at least two years of experience, as defined in Rule .0202 of this Section, of which at least one year shall be primary experience. The balance of experience may be primary, secondary or both. An applicant in this classification may also receive creditable experience for service in any of the capacities listed in Rule .0202 that the applicant gained in the ground water pump field, and
 - B) include on the application information verifying that the applicant is primarily engaged in, or is regularly employed by and will be the listed qualified individual for a firm that is primarily engaged in, a lawful ground water pump business in this State.
- 9) Special restricted electric sign (SP-ES) classification. An applicant must:
 - A) have at least two years of experience, as defined in Rule .0202 of this Section, of which at least one year shall be primary experience. The balance of experience may be primary, secondary or both. An applicant in this classification may also receive creditable experience in any of the capacities listed in Rule .0202 that the applicant gained in the electric sign field, and
 - B) include on the application information verifying that the applicant is primarily engaged in, or is regularly employed by and will be the listed qualified individual for a firm that is primarily engaged in, a lawful electric sign business in this State.

1C. Special restricted swimming pool (SR-SP) classification. An applicant must:

- A) have at least two years of experience, as defined in Rule .0202 of this Section, of which at least one year shall be primary experience. The balance of experience may be primary, secondary or both. An applicant in this classification may also receive creditable experience for service in any of the capacities listed in Rule .0202 that the applicant gained in the swimming pool field; and
- B) include on the application information verifying that the applicant is primarily engaged in, or is regularly employed by and will be the listed qualified individual for a firm that is primarily engaged in, a lawful swimming pool business in this State.

History Note: Authority G.S. 87-42; 87-43.3; 87-43.4; 87-44;
Eff. October 1, 1988;
Amended Eff. January 1, 2010; March 1, 1999; February 1, 1990.

.0202 EXPERIENCE

(a) Primary. As used in this Chapter, primary experience means working experience gained by the applicant while engaged directly in the installation of electrical wiring and equipment governed by the National Electrical Code or work activities directly related thereto. Examples of the capacity in which a person may work in gaining primary experience and the percentages for creditable primary experience are as follows:

	Percentage
1) journeyman electrician or electrician mechanic, both meaning the same;.....	100
2) electrical foreman;.....	100
3) electrical general foreman;.....	100
4) electrical superintendent;.....	100
5) electrical general superintendent;.....	100
6) estimator for licensed electrical contractor;.....	100
7) electrical inspector recognized as such by the State Department of Insurance;.....	100
8) time spent by a professional engineer who is responsible for follow-up project supervision, beyond the point of delivery, in electrical engineering, design consulting;.....	100
9) full-time instructor teaching National Electrical Code, NFPA 72 and related electrical courses at a college, university, community college, technical institute, high school or vocational school;.....	50
10) maintenance journeyman electrician or electrician mechanic employed in a full-time electrical maintenance department;.....	100
11) time actually spent in electrical maintenance by a maintenance journeyman electrician or electrician mechanic regularly employed in other than a full-time electrical maintenance department;.....	100
12) military person holding an electrician rating or rank of at least E-4 who is engaged in land based electrical installations similar or equivalent to work performed by an electrical contractor;.....	100
13) time actually spent in part-time or incidental work in any primary experience category;.....	100
14) time actually spent installing or maintaining fire alarm/low voltage systems;.....	100
15) time as a holder of NICET certification on NFPA 72 Level I, II or III;.....	50
16) time as a holder of NICET certification on NFPA 72 Level IV.....	100

In calculating accumulative primary experience, a total of 2,000 hours shall equal one creditable year. The total number of creditable years shall be calculated by dividing the total hours of primary experience by 2,000. Example: Applicant has worked in primary capacity for a total of 7,200 hours of primary experience.

$$\frac{7,200}{2,000} = 3.6 \text{ years creditable primary work experience}$$

(b) Secondary. As used in this Chapter, secondary experience means working experience gained while engaged in work or training that is related to the installation of electrical wiring and equipment governed by the National Electrical Code. Examples of the type of work or training in which a person may engage to gain creditable secondary experience and the percentages for creditable secondary experience are as follows:

	Percentage
1) apprentice electrician training in an apprentice program approved by the NC Department of Labor;.....	100
2) time spent as an apprentice electrician or helper other than as described in subparagraphs (1) and (3) of this paragraph;.....	80
3) time actually spent in electrical maintenance by a maintenance apprentice or electrician helper regularly employed in other than a full-time electrical maintenance department;.....	80
4) student satisfactorily completing National Electrical Code and related electrical courses at a college, university, community college, technical institute, high school or vocational school;.....	50
5) Time spent by a professional engineer who is not responsible for follow-up project supervision, beyond the point of delivery, in electrical engineering, design, or consulting;.....	50
6) Electrical construction design under the supervision of a professional engineer;.....	50
7) sales representative for an electrical wholesaler, distributor, or manufacturer;.....	20
8) appliance service and repair;.....	20
9) electric utility lineman; and.....	10
10) electric utility serviceman.....	20

In calculating accumulative secondary experience, a total of 2,000 hours shall equal one creditable year. The total number of creditable years shall be calculated by applying the percentage for creditable secondary experience and dividing the

remainder hours by 2,000. Example: Applicant has 1,000 hours of work experience as a helper or regular apprentice and 2,200 hours of experience while enrolled in an approved apprentice training program; 1,000 hours at 80 percent = 800 hours secondary experience; 2,200 hours at 100 percent = 2,200 hours secondary experience;
 $800 + 2,200 = 1.5$ years creditable secondary experience
 2,000

(c) Other Experience. The Board shall approve other experience that it finds to be equivalent or similar to the primary or secondary experience defined in this Rule.

History Note: Authority G.S. 87-42; 87-43.3; 87-43.4;

Eff. October 1, 1988;

Amended Eff. January 1, 2010; March 1, 1999.

.0203 EXAMINATION SCOPE

(a) General. In addition to the examination subjects specified in G.S. 87-42, qualifying examinations for each license classification shall include permit and inspection requirements, business practices and the North Carolina statutes and rules applicable to electrical contracting.

(b) Variation in Scope. The examinations for each license classification shall be based on a level of technical and practical knowledge concerning the safe and proper installation of electrical work and equipment that corresponds to the electrical contracting work authorized under each license classification.

History Note: Authority G.S. 87-42; 87-43.3; 87-43.4;

Eff. October 1, 1988;

Amended Eff. March 1, 1999; April 1, 1993.

.0204 EXAMINATIONS

(a) All qualifying examinations administered by the Board for each license classification shall be written or computer-based examinations and must be taken personally by the approved applicant after the applicant has met the requirement for examination contained in the rules in this Subchapter.

(b) Upon approval of an applicant pursuant to these Rules, the Board shall provide the applicant a notice of examination eligibility that is valid for a period of three months and for a single administration of the qualifying examination. Upon receipt of a notice of examination eligibility from the Board, the applicant shall schedule the examination by contacting the Board or the authorized testing service. The applicant shall be scheduled for the examination, by the Board and the Board or authorized testing service will confirm the date, time and place.

(c) A minimum grade of 75 out of a possible score of 100 is required in order to pass any qualifying examination administered by the Board.

History Note: Authority G.S. 87-42; 87-43.3; 87-43.4; 93B-8;

Eff. October 1, 1988;

Temporary Amended Eff. August 31, 2001;

Amended Eff. July 1, 2011; January 1, 2006; July 18, 2002.

.0205 MINIMUM PASSING GRADE (Repealed)

.0206 REGULAR EXAMINATIONS (Repealed)

.0207 APPLICATION FOR REGULAR EXAMINATIONS (Repealed)

.0208 SPECIALLY-ARRANGED EXAMINATIONS (Repealed)

History Note: Authority G.S. 87-42; 87-43.3; 87-43.4; 87-44;

Eff. October 1, 1988;

Amended Eff. August 1, 1999; (Rule .0208);

February 1, 1996 (Rule .0207); April 1, 1993 (Rule .0206)

February 1, 1990; (Rule .0208)

Temporary Amended Eff. August 31, 2001;

Repealed Eff. July 1, 2011.

.0209 FEES

(a) The examination fee for regular qualifying examinations is ninety dollars (\$90.00) for all classifications.

(b) The fee for a review of a failed examination is twenty-five dollars (\$25.00). All reviews are supervised by the Board or staff.

(c) The examination fees for examinations in all classifications and the fees for examination reviews may be in the form of cash, check, money order, Visa or Mastercard made payable to the Board and must accompany the respective applications when filed with the Board.

(d) Examination fees received with applications filed for qualifying examinations shall be retained by the Board unless:

- 1) an application is not filed as prescribed in Rule .0210 of this Section, in which case the examination fee and application shall be returned; or
- 2) the applicant does not take the examination during the examination period for which application was made, files a written request for a refund, setting out extenuating circumstance and the Board finds extenuating circumstances.

(e) Examination review fees are non-refundable unless the applicant does not take the review, files a written request for a refund, setting out extenuating circumstance and the Board finds extenuating circumstances.

(f) Any fee retained by the Board shall not be creditable toward any future examination fee or examination review.

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ELECTRICAL
DIVISION



(g) Extenuating circumstances for the purposes of Paragraphs (d)(2), and (e) of this rule shall be the applicant's illness, bodily injury or death, or death of the applicant's spouse, child, parent or sibling, or a breakdown of the applicant's transportation to the designated site of the examination or examination review.

History Note: Authority G.S. 87-42; 87-43.3; 87-43.4; 87-44;
Eff. October 1, 1988;
Amended Eff. May 1, 1998; July 1, 1989;
Temporary Amendment Eff. June 30, 2000;
Temporary Amended Eff. August 31, 2001;
Amended Eff. July 1, 2011; January 1, 2008; December 4, 2002.

.0210 APPLICATIONS DULY FILED

Examinations applications shall be considered as duly filed when the applicant has filed an application with the Board, on a form provided by the Board, together with the examination fee as prescribed in Rule .0209 of this Section and information sufficient to meet the minimum examination requirements applicable to the classification involved. By filing an application with the Board, an applicant authorizes the Board or the Board's staff to verify, in any manner the Board or staff deems necessary and appropriate, the information submitted on or in support of his application. The Board or staff shall determine whether applications are duly filed, process all applications, and return all applications not duly filed.

History Note: Authority G.S. 87-42; 87-43.3; 87-43.4; 87-44;
Eff. October 1, 1988;
Temporary Amended Eff. August 31, 2001;
Amended Eff. July 1, 2011; July 18, 2002

.0211 WAITING PERIOD BETWEEN EXAMINATIONS

(a) A person who fails a qualifying examination must wait before being eligible to take another examination in the same classification. The waiting period depends on the score on the failed examination, as follows:

Failed Examination Grade	Waiting Period
74-65	3 months
64 and below	6 months

(b) A person who fails an examination in the same license classification three times must satisfactorily complete a minimum of 16 hours classroom education on the electrical code provided by a board-approved continuing education sponsor before retaking the examination.

(c) A person shall be considered a new applicant each time he applies to take an examination and must file an application on the standard application form and pay the required examination fee.

History Note: Authority G.S. 87-42; 87-43.3; 87-43.4;
Eff. October 1, 1988;
Amended Eff. July 1, 2011; January 1, 2006

SECTION .0300 - DEFINITIONS AND EXPLANATIONS OF TERMS APPLICABLE TO LICENSING

.0301 LISTED QUALIFIED INDIVIDUAL

A listed qualified individual cannot be "regularly on active duty", as the term is used in G.S. 87-43, during the hours when he has committed himself to work for an employer other than the employers on whose license he is the listed qualified individual. Therefore, no electrical contracting work can be done under a license during the hours its listed qualified individual has committed himself to duty as an employee in other employment.

History Note: Authority G.S. 87-42; 87-43;
Eff. October 1, 1988;
Amended Eff. February 1, 1990.

.0302 DRAWINGS

Pursuant to an agreement between the Board and the North Carolina State Board for Professional Engineers and Land Surveyors, the following definitions and procedures shall apply to drawings:

- 1) Design Drawing. A design drawing indicates the total result to be achieved by an assembly of various systems. It is the creative work of a design professional, prepared with the use of special knowledge of the mathematical, physical and engineering sciences in order to accomplish a specific function and bears the seal of the preparing design professional.
- 2) Shop Drawing. A shop drawing indicates the fabrication, assembly, installation or erection of a system's components. It is usually prepared by the manufacturer or installing contractor for the purpose of conveying to the mechanic the materials and construction sequencing procedures to be used in achieving the total result called for by the design drawings.
- 3) Drawings by Contractor. If design drawings are not required by any statute, the installing contractor may prepare preliminary drawings to illustrate his proposed installation. If design drawings are required by a statute for an installation, the contractor may prepare preliminary drawings to illustrate his proposed installation; provided his proposal contains specific provisions to assure the awarding authority that, if awarded the project, the services of a duly registered professional will be employed to prepare the required final design drawings for the installation proposed and that the installation will be constructed in accordance with such design drawings.

History Note: Authority G.S. 87-39; 87-42;
Eff. October 1, 1988.

City of Indianapolis
Department of Code Enforcement



Electrical Master:

Corporation:

Company Name	Individual Name	Address	Phone Number	License Expiration Date
THE OSCAR W. LARSON COMPANY	RONALD LAVALLA	10100 DIXIE HIGHWAY CLARKSTON, MI 48348	248-620-0070	12/31/2013
THE POWER SOURCE LLC	DAVID MACPHERSON	4123 WOODSIRE PL CLAYTON, IN 46118	317-839-0056	12/31/2013
THOMAS CABLING COMPANY INC	WILLIAM THOMAS	11414 CREEKWOOD CIR INDIANAPOLIS, IN 46239	317-339-1156	12/31/2013
TITON ELECTRIC COMPANY	Josh Boiling	PO Box 368 Plainfield, IN 46168	317-698-4319	12/31/2013
TJ FARRAR ELECTRICAL CONTRACTING INC	THOMAS FARRAR	2408 N RITTER AV ST C INDIANAPOLIS, IN 46218	317-407-1653	12/31/2013
TORIC ENGINEERING INCORPORATED	ERIC WALTIS	150 W CLINTON ST DANVILLE, IN 46122	317-718-1800	12/31/2013
TOTAL ELECTRIC OF INDIANA INC	MEL BIGHAM	11098 N SPRING LAKE DR MOORESVILLE, IN 46158	317-834-3628	12/31/2013
TOTAL TECH INC	DUSTIN ALLEN	2165 SHADOWBROOK DR PLAINFIELD, IN 46168	317-697-4998	12/31/2013
TRENT ELECTRIC INC	NEIL ROBERTS	PO BOX 898 PLAINFIELD, IN 46168	317-839-3996	12/31/2013
TWIN CITY ELECTRIC COMPANY INC	ROBERT ROSS	3416 N BRADY LANE LAFAYETTE, IN 47909-4513	765-474-1463	12/31/2013
VAUGHT ELECTRIC INC	MARK VAUGHT	P O BOX 167 CRAWFORDSVILL, IN 47933	765-362-9325	12/31/2013
VICE ELECTRICAL CORPORATION	Thomas Vice	8615 Kruggle Ct Indianapolis, IN 46256	317-374-7488	12/31/2013
VOTAW ELECTRIC INC	DANTAW VOTAW	3421 CENTENNIAL DR FT WAYNE, IN 46808	260-482-7099	12/31/2013
WALK IN THE LIGHT ELECTRIC LLC	OZZIE WILSON	2322 W 10TH ST INDIANAPOLIS, IN 46222	317-638-2162	12/31/2013
WALNUT ELECTRICAL CONTRACTING LLC	MICHAEL LAMB	933 CECIL AV INDIANAPOLIS, IN 46219	317-985-5974	12/31/2013
WEBSTER ELECTRIC INC	ERIC WEBSTER	8599 W CENTRAL AV SHIRLEY, IN 47384	317-485-2071	12/31/2013
WHITAKER ELECTRIC INC	KEVIN WHITAKER	5400 W 200 N BARGERSVILLE, IN 46106	317-422-8039	12/31/2013

01/17/2013

MAY 27 2013

PAID
BY
12/31/2013

Trent Electric Company, Inc.

P.O. BOX 898
PLAINFIELD, INDIANA 46168
PH. (317) 839-3996 FAX: (317) 839-9644

April 26, 2013

RE: Timothy Joshua Boling

To Whom It May Concern:

Dates of Employment at Trent Electric – 08/2001-06/2005

Hours worked: 9,360

Work Experience: Residential wiring 75% (7,020 hours)

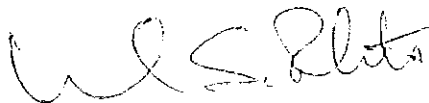
Planning and Layout 25% (2,340 hours)



Kelly Bassler

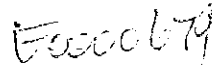
Office Manager/Notary

Trent Electric Co. Inc.



Neil S. Roberts

Vice President



Trent Electric Company, Inc.
2551 COMMERCIAL DRIVE
P.O. BOX 898
PLAINFIELD, INDIANA 46168
PH. (317) 839-3996 FAX: (317) 839-9544


October 9, 2009

To whom it may concern:

RE: Timothy Joshua Boling

Timothy Joshua Boling (Josh) was employed with Trent Electric Inc from August 1, 2001 until June 30, 2005. A self motivated employee, he started as a helper and in 6 months of employment began running a truck as a lead electrician. Hours varied but averaged 47.5 hours per week for the course of his employment.

Sincerely,


William E. Trent

APPENDIX C

Employer Statement Form

STATE BOARD OF EXAMINERS OF ELECTRICAL CONTRACTORS
P.O. BOX 18727, RALEIGH, NC 27619-8727

TO APPLICANT: THIS IS TO BE COMPLETED BY YOUR PRESENT OR PAST EMPLOYER. ONCE THIS DOCUMENT IS COMPLETED, SIGNED, AND NOTARIZED, IT MUST BE SUBMITTED IN ORIGINAL FORM WITH YOUR APPLICATION.

NOTE: ALTERED FORMS OR COPIES OF COMPLETED FORMS WILL NOT BE ACCEPTED.

TO EMPLOYER: RE: EXPERIENCE AND CHARACTER VERIFICATION

NOTICE: In order to maintain the high standards of the electrical contracting trade, it is imperative that extreme care be exercised in verifying an applicant's experience. Please refer to Board's Rule .0202 for further information (see reverse of this form). The Board reserves the right to review all employment records in making a final determination of an applicant's experience.

This is to certify that TIMOTHY LORIAN BOLING is/was employed by this firm in the following capacity or capacities (verify experience only in the electrical or applicable special restricted field for which the applicant is requesting to be examined and specify the respective field): Employer representative must enter total hours worked and capacity or capacities worked.

- (a) **SECONDARY EXPERIENCE:** (Example Apprentice or helper) in the electrical or special restricted field: ENTER DATES OF EMPLOYMENT, CAPACITY AND TOTAL HOURS WORKED IN THAT CAPACITY:
 BEGIN DATE OF EMPLOYMENT: 12/1/01 END DATE OF EMPLOYMENT: 6/30/05
 CAPACITY: HELPER TOTAL HOURS WORKED: 1188 47.5 hrs x 6 mos
- (b) **PRIMARY EXPERIENCE:** (Example Journeyman or Mechanic) in the electrical or special restricted field: ENTER DATES OF EMPLOYMENT, CAPACITY AND TOTAL HOURS WORKED IN THAT CAPACITY:
 BEGIN DATE OF EMPLOYMENT: 8/1/01 END DATE OF EMPLOYMENT: 6/30/05
 CAPACITY: LEADMAN TOTAL HOURS WORKED: 2916 47.5 hrs x 40 mos
- (c) **OTHER CAPACITY:** ENTER DATES OF EMPLOYMENT, JOB DESCRIPTION (ATTACH COMPANY OR JOB DESCRIPTION IF AVAILABLE) AND TOTAL HOURS WORKED IN THAT JOB:
 BEGIN DATE OF EMPLOYMENT: _____ END DATE OF EMPLOYMENT: _____
 CAPACITY: _____ TOTAL HOURS WORKED: _____

Please check one of the following that best describes this applicant's character:

GOOD ☒ NOT GOOD _____ NO OPINION _____

Other comments: KNOW OVER 20 YEARS - GOOD, YOUNG MAN

EMPLOYER TRENT ELECTRIC INC

ADDRESS 2551 COMMERCIAL DR PO BOX 898

RAINFIELD IN 46168

DATE 10/9/09

PHONE 317 839-3984

STATE OF Indiana

COUNTY OF Hendricks

I, a notary public of the county and state aforesaid, certify that (enter name of employer representative whose signature appears above) Josh Pollock personally appeared before me this day and signed the foregoing document.

Witness my hand and official seal, this 9th day of October, 2009.

Rebecca C. Dean

Notary Public

My commission expires May 16, 2016

(FOR BOARD USE ONLY) APPROVED BY: _____ DATE: _____ EMPL REP: _____

MAY 21 2013

ELECTRICAL DIVISION

APPENDIX D

Character Statement Form

TO: STATE BOARD OF EXAMINERS
OF ELECTRICAL CONTRACTORS
P.O. BOX 18727
RALEIGH, NC 27619-8727

This is to certify that I have known JOSEPH T BOWLING for approximately
20 years and that in my opinion he/she is of good character.

This 9 day of OCTOBER, 2009.

RECEIVED

MAY 21 2013

ELECTRICAL
DIVISION

SIGNED BY Will E. Vent

TITLE President

NAME OF FIRM Vent Electric Inc

ADDRESS 2551 COMMERCIAL DR PO Box 898
PLAINFIELD IN 46168

PHONE [REDACTED] / [REDACTED] - [REDACTED] [REDACTED]
AREA CODE

EMPLOYER STATEMENT FORM

STATE BOARD OF EXAMINERS OF ELECTRICAL CONTRACTORS
P.O. BOX 18727, RALEIGH, NC 27619-8727

TO APPLICANT: THIS IS TO BE COMPLETED BY YOUR PRESENT OR PAST EMPLOYER. ONCE THIS DOCUMENT IS COMPLETED, SIGNED, AND NOTARIZED, IT MUST BE SUBMITTED IN ORIGINAL FORM WITH YOUR APPLICATION.

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TO EMPLOYER: RE: EXPERIENCE AND CHARACTER VERIFICATION

NOTICE: In order to maintain the high standards of the electrical contracting trade, it is imperative that extreme care be exercised in verifying an applicant's experience. Please refer to Board's Rule .0202 for further information (see reverse of this form). The Board reserves the right to review all employment records in making a final determination of an applicant's experience.

This is to certify that TIMOTHY J. BOLISH is/was employed by this firm in the following capacity or capacities (verify experience only in the electrical or applicable special restricted field for which the applicant is requesting to be examined and specify the respective field): Employer representative must enter total hours worked and capacity or capacities worked.

- (a) **SECONDARY EXPERIENCE:** (Example Apprentice or helper) in the electrical or special restricted field: ENTER DATES OF EMPLOYMENT, CAPACITY AND TOTAL HOURS WORKED IN THAT CAPACITY:

BEGIN DATE OF EMPLOYMENT: 12/06 END DATE OF EMPLOYMENT: 12/07
CAPACITY: Apprentice TOTAL HOURS WORKED: 1,828

- (b) **PRIMARY EXPERIENCE:** (Example journeyman or Mechanic) in the electrical or special restricted field: ENTER DATES OF EMPLOYMENT, CAPACITY AND TOTAL HOURS WORKED IN THAT CAPACITY:

BEGIN DATE OF EMPLOYMENT: _____ END DATE OF EMPLOYMENT: _____
CAPACITY: _____ TOTAL HOURS WORKED: _____

- (c) **OTHER CAPACITY:** ENTER DATES OF EMPLOYMENT, JOB DESCRIPTION (ATTACH COMPANY OR JOB DESCRIPTION IF AVAILABLE) AND TOTAL HOURS WORKED IN THAT JOB:

BEGIN DATE OF EMPLOYMENT: _____ END DATE OF EMPLOYMENT: _____
CAPACITY: _____ TOTAL HOURS WORKED: _____

Please check one of the following that best describes this applicant's character:

GOOD ☒ NOT GOOD _____ NO OPINION _____

Other comments: _____

EMPLOYER ERMEC, INC.

ADDRESS 1625 W. THOMPSON RD.

INDIANAPOLIS, IN 46217

DATE FEB. 23, 2010

PHONE [REDACTED]
AREA CODE _____

STATE OF IN COUNTY OF Marion

I, a notary public of the county and state aforesaid, certify that the employer representative whose signature appears above personally appeared before me this day and signed the foregoing document.

Witness my hand and official seal, this 23rd day of February, 2010.

Notary Public Jonnie P. [REDACTED]

My commission expires 12/19/2015

(FOR BOARD USE ONLY) APPROVED BY: _____ DATE: _____ EMPL. REP _____

RECEIVED

MAY 21 2010

APPENDIX E

Character Statement Form

TO: STATE BOARD OF EXAMINERS
OF ELECTRICAL CONTRACTORS
P.O. BOX 18727
RALEIGH, NC 27619-8727

This is to certify that I have known TIMOTHY J. BOLING for approximately
1 years and that in my opinion he/she is of good character.

This 23 day of FEBRUARY, 2010.

SIGNED BY

Philip Keller

TITLE

PAYROLL COORDINATOR

NAME OF FIRM

ERMCO, INC.

ADDRESS

1425 W. THOMPSON RDINDIANAPOLIS, IN 46217

PHONE

317, 780 - 2923

AREA CODE

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ELECTRICAL
DIVISION

EMPLOYER STATEMENT FORM

STATE BOARD OF EXAMINERS OF ELECTRICAL CONTRACTORS
P.O. BOX 18727, RALEIGH, NC 27619-8727

TO APPLICANT: THIS IS TO BE COMPLETED BY YOUR PRESENT OR PAST EMPLOYER. ONCE THIS DOCUMENT IS COMPLETED, SIGNED, AND *NOTARIZED*, IT MUST BE SUBMITTED IN ORIGINAL FORM WITH YOUR APPLICATION.

NOTE: ALTERED FORMS OR COPIES OF COMPLETED FORMS WILL NOT BE ACCEPTED.

TO EMPLOYER: RE: EXPERIENCE AND CHARACTER VERIFICATION

NOTICE: In order to maintain the high standards of the electrical contracting trade, it is imperative that extreme care be exercised in verifying an applicant's experience. Please refer to Board's Rule .0202 for further information (see reverse of this form). The Board reserves the right to review all employment records in making a final determination of an applicant's experience.

This is to certify that Timothy Josh Boling is/was employed by this firm in the following capacity or capacities (verify experience only in the electrical or applicable special restricted field for which the applicant is requesting to be examined and specify the respective field): Employer representative must enter total hours worked and capacity or capacities worked.

- (a) **SECONDARY EXPERIENCE:** (Example Apprentice or helper) in the electrical or special restricted field: ENTER DATES OF EMPLOYMENT, CAPACITY AND TOTAL HOURS WORKED IN THAT CAPACITY:
 BEGIN DATE OF EMPLOYMENT: 6-1-09 END DATE OF EMPLOYMENT Currently Working
 CAPACITY: 6th Period Apprentice Electrician TOTAL HOURS WORKED 1354 (to date)
- (b) **PRIMARY EXPERIENCE:** (Example journeyman or Mechanic) in the electrical or special restricted field: ENTER DATES OF EMPLOYMENT, CAPACITY AND TOTAL HOURS WORKED IN THAT CAPACITY:
 BEGIN DATE OF EMPLOYMENT: _____ END DATE OF EMPLOYMENT _____
 CAPACITY: _____ TOTAL HOURS WORKED _____
- (c) **OTHER CAPACITY:** ENTER DATES OF EMPLOYMENT, JOB DESCRIPTION (ATTACH COMPANY OR JOB DESCRIPTION IF AVAILABLE) AND TOTAL HOURS WORKED IN THAT JOB:
 BEGIN DATE OF EMPLOYMENT: _____ END DATE OF EMPLOYMENT _____
 CAPACITY: _____ TOTAL HOURS WORKED _____

Please check one of the following that best describes this applicant's character:

GOOD XX NOT GOOD _____ NO OPINION _____

Other comments: _____

EMPLOYER Huston Electric, Inc.

ADDRESS PO Box 904

Kokomo, IN 46903-0904

DATE 2-25-2010

STATE OF Indiana

PHONE _____

AREA CODE _____

COUNTY OF Howard

SIGNATURE OF EMPLOYER REPRESENTATIVE

Jeff Cardwell
 PRINTED NAME OF EMPLOYER REPRESENTATIVE

President/CEO
 TITLE

I, a notary public of the county and state aforesaid, certify that the employer representative whose signature appears above personally appeared before me this day and signed the foregoing document.

Witness my hand and official seal, this 25th day of February, 2010.

Notary Public

My commission expires

9-24-14

Vickie J. Miller

(FOR BOARD USE ONLY)

APPROVED BY: _____

DATE: _____

EMPL REP _____

APPENDIX D

Character Statement Form

TO: STATE BOARD OF EXAMINERS
OF ELECTRICAL CONTRACTORS
P.O. BOX 18727
RALEIGH, NC 27619-8727

This is to certify that I have known Josh Boling for approximately
1 years and that in my opinion he/she is of good character.

This 1ST day of March, 2010.

RECEIVED

MAY 21 2013

ELECTRICAL
DIVISION

SIGNED BY

TITLE

NAME OF FIRM

ADDRESS

PHONE

AREA CODE

Foreman

Huston Elec.

PO Box 904

Kokomo, IN 46903-0904

765 / 457 - 9137

APPENDIX F

Supervise and Direct Statement Form

NOTE: THIS IS A REQUIREMENT FOR THE UNLIMITED CLASSIFICATION ONLY. THIS FORM MAY ALSO BE USED FOR A GOOD CHARACTER STATEMENT AS NOTED BELOW. PLEASE DO NOT SUBMIT WHEN FILING FOR OTHER CLASSIFICATIONS.

TO: STATE BOARD OF EXAMINERS
OF ELECTRICAL CONTRACTORS
P.O. BOX 18727
RALEIGH, NC 27619-8727

This is to certify that I have known Josh Boling for ap-
proximately 1 years; that I am knowledgeable of his/her electrical experience; and that in my
opinion he/she does have the ability to satisfactorily supervise and direct all electrical wiring or electrical installation
work done by an electrical contracting business in the UNLIMITED classification.

Please check one of the following that best gives your opinion of this applicant's character:

GOOD ☒

NOT GOOD ☐

NO OPINION ☐

This 1ST day of March, 2010

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MAY 21 2010

ELECTRICAL
DIVISION

SIGNED BY

TITLE

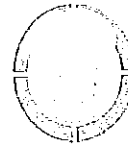
NAME OF FIRM

ADDRESS

PHONE

AREA CODE

[Signature]
Foreman
Huston Elec
PO Box 904
Kokomo, IN. 46903-0904
765 / 457-9137



Board of Electrical Examiners
Indianapolis
Gregory A. Ballard, Mayor

Licensing is at the discretion of the local municipality in the State of Indiana (there is not a state electrical license). Listed below are the requirements to become a licensed Electrical Contractor (person) within the Consolidated City of Indianapolis:

1. Six (6) years of experience in electrical construction: at least four (4) of which must be practical work experience, all pertaining to electrical power distribution systems. The Board may assign up to two (2) years experience for successful completion of related college courses, or a related apprenticeship.

DEFINITION OF ELECTRICAL CONSTRUCTION EXPERIENCE: A PERSON WHO EITHER PERFORMS OR SUPERVISES THE INSTALLATION OF ELECTRICAL EQUIPMENT PER THE NATIONAL ELECTRIC CODE IN INDUSTRIAL, COMMERCIAL OR RESIDENTIAL APPLICATIONS.

2. Appear for an interview at a regularly scheduled meeting of the Board.
3. Attaining the appropriate score on the Prometric Inc. (formerly Thomson Prometric, Experior Assessments LLC, and Block & Associates) Exam, sponsored by the Consolidated City of Indianapolis:
 - a) 75.0% or higher on the Prometric Inc. Exam: 20113 Master Electrical 4 hour exam or 20313 Residential Electrical 3 hour exam
4. Approval of the Board of Electrical Examiners
5. Filing of application(s), fee(s), surety bond, proof of general liability insurance and workman's compensation coverage

The process:

- A. The applicant must submit the following to the Board of Electrical Examiners at least ten (10) business days before the Board meeting:

1. Electrical Exam Application
2. Resume with work experience
3.
 - a) A SIGNED NOTARIZED LETTER OF REFERENCE from employer on original letterhead stationery documenting six (6) years of experience, including dates of employment (start and end dates) and a description of the job responsibilities.
 - b) If not available, three (3) letters of reference, citing dates, from supply houses, general contractors/ builders, who have employed you as an electrician may be submitted. Corporation or business license documents, including founding date, should be submitted. W-2's, copies of check stubs or other relevant tax documents, which record six (6) years of experience in the electrical field, may be used in conjunction with other documents.
 - c) If these references are not available, at least three (3) letters from customers may be submitted, (but are not the preferred reference.) Character references are not appropriate.
4. The letters of reference must document at least six (6) years of electrical construction experience for the individual (not company). If applicant does not have information within a timeline of the last 2 years, then additional documentation pertaining to experience may include the last ten years.

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MAY 21 2013

ELECTRICAL
DIVISION

Continued

Electrical Contractor Examination Process
page 2

5. Copies of current licenses, technical certificates, and / or diploma's; from a university or trade school, if applicable. Copy of a certificate of completion of an electrical apprenticeship, i.e. the (certificate recognized by Department of Labor.)

**It is required by the City Ordinance that the above four (4) items must be submitted to the Board of Electrical Examiners for an applicant to be considered for approval to take the exam.*

- a. Applicant appears for an interview. The Board of Electrical Examiners determines if the applicant meets the requirements to take the appropriate Prometric Inc. (formerly Thomson Prometric Experior Assessments LLC, Block & Associates) Exam.
- b. If approved, the applicant registers with the independent testing agency, Prometric Inc., taking the exam on a different day.
- c. If the applicant scores:
 1. 75.0% or higher on the Prometric Inc. Exam: 20113 Master Electrical 4 hour exam or 20313 Residential Electrical 3 hour exam, the applicant reappears before the Board for final determination in granting the license and orientation. After passing the test, proof of surety bond, general liability insurance, and workmen's compensation coverage must be submitted with fee(s) and application(s) for the license(s) prior to reappearing before the Board.

If the applicant holds a license that required the passage of the appropriate Prometric Inc. (formerly Thomson Prometric, Experior Assessment LLC and Block & Associates) Examination, the applicant may qualify for a reciprocal license. Please review the Electrical Reciprocal License Packet on this website at: <http://www.indy.gov/eGov/City/CodeEnforcement/Licenses/ContractorLicenses/Pages/electrical.aspx> or contact (317) 327-8467 to discuss the Reciprocal License Requirements.

The Board of Electrical Examiners meets the second Thursday of each month.

Deadline for submittal of exam packet: _____ Meeting date: _____
Mail exam packet to: 1:15 p.m.
Board of Electrical Examiners 1200 Madison Avenue
1200 Madison Avenue, Suite 100
Indianapolis, Indiana 46225

DECEMBER 28, 2011	JANUARY 12, 2012
JANUARY 26, 2012	FEBRUARY 9, 2012
FEBRUARY 23, 2012	MARCH 8, 2012
MARCH 29, 2012	APRIL 12, 2012
APRIL 26, 2012	MAY 10, 2012
MAY 31, 2012	JUNE 14, 2012
JUNE 29, 2012	JULY 12, 2012
JULY 26, 2012	AUGUST 9, 2012
AUGUST 30, 2012	SEPTEMBER 13, 2012
SEPTEMBER 27, 2012	OCTOBER 11, 2012
OCTOBER 25, 2012	NOVEMBER 8, 2012
NOVEMBER 28, 2012	DECEMBER 13, 2012
DECEMBER 26, 2012	JANUARY 10, 2013

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DIVISION

Please phone Tonya Hilliard at (317) 327-8467 or email: tonya.hilliard@indy.gov if you have any questions.

There are two types of licenses approved by the Board; the requirements are the same for both licenses.

A Master license holder is authorized to perform electrical work without limitation.

A Residential license holder is authorized to perform electrical work in one- or two-family residential structures.

Licensure as an electrical contractor:

Licensure as an electrical contractor is required to accomplish the connection of electrical power for on-site construction activity, to install, alter, replace, service or repair a system distributing electrical power, to service equipment supplying power to factory-constructed dwellings located in a mobile home park and to install, modernize, replace, service or repair all or any part of an electrical power distribution system. An electrical contractor shall also be entitled to install, modernize, replace, service or repair space heating equipment or space cooling equipment using electricity as its primary source of energy, excluding work on any refrigerant cycle.

Not required to be a licensed electrical contractor:

Installation or repair of electrical wiring, devices, appliances, apparatus, or equipment that operate at less than twenty-five (25) volts and are capable of supplying less than fifty (50) watts of energy, except for fire detection and fire alarms.

A contractor does not have to be an electrical contractor if wiring for computers (if below 25 volts), data systems (if below 25 volts), or security cameras. However, if cutting walls, drywall, flooring or mounting cameras or televisions on the walls, the contractor must be registered as a general contractor (unless he is a sub-contractor).

License Upgrade:

Once within a one-year period of taking the Residential Electrical examination, an applicant may upgrade their license without appearing before the Board. However, if it is more than a year since taking the Residential Electrical examination the applicant must appear before the Board of Electrical Examiners to upgrade his or her license.

BOARD OF ELECTRICAL EXAMINERS
AGENDA

2nd THURSDAY of the Month
1:30 P.M.
DEPARTMENT OF CODE ENFORCEMENT
1200 MADISON AVENUE, SUITE 100
INDIANAPOLIS INDIANA 46225

1. Orientation and License Presentation
2. Review Minutes
3. Review Reciprocal License Applicants
4. Review Exam Applicants
5. Review Reinstatement Applicants
6. Conduct Informal Hearing
7. Conduct Formal Hearing
8. Old Business
9. New Business
10. Adjourn

Applicants are requested to appear at the scheduled time.

RECEIVED
APR 11 2009
ELECTRICAL
DIVISION



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVE ARWOOD
DIRECTOR

August 22, 2013

E-13-51

TO: Members of the State Electrical Administrative Board
FROM: Dan O'Donnell, Chief, Electrical Division
SUBJECT: Master electrician examination application

APPLICANT REPRESENTATIVE:

Joungho Choi

PROJECT:

N/A

AUTHORITY:

The Michigan Electrical Administrative Act, 1956 PA 217 of the Michigan Compiled Laws.

The Electrical Administrative Board General Rules

REQUEST:

Request to petition the Electrical Administrative Board to sit for the master electrician examination.

APPLICABLE RULE:

1956 PA 217 MCL, 338.883a Sec 3a. (c), MCL 338.883c Sec. 3c. (1) a,b,c,d,e, and Electrical Administrative Board General Rules, R338.1004a Rule 4a. (1), (a), (b), (2), 338.1006a Rule 6a. (1), (2)

FINDINGS:

Mr. Choi submitted an application to the Electrical Division to sit for the master electrician examination. The information submitted by Mr. Choi does not indicate that he worked under the supervision of a master electrician as is stipulated for in 1956 PA 217

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being the Electrical Administrative Act. Section 338.883c Sec. 3c. (1) (d) of the act requires that a person must attain 12000 hours of electrical experience over a period of not less than 6 years under the supervision of a master electrician to qualify for the master electrician examination in the State of Michigan. Mr. Choi did qualify for and pass Mr. Choi submitted documentation that indicates that he is currently licensed as an electrical contractor in the States of Georgia and Alabama. The information submitted by Mr. Choi indicates that the requirements to attain an electrical contractor's license in Georgia and Alabama are similar. Those states require 8000 hours of electrical experience to qualify for an electrical contractor's examination which is the Michigan requirement to qualify for the journey electrician exam. Mr. Chois' documents indicate that he was issued his contractor license in Alabama on June 26, 2012 and his Georgia contractor license on October 29, 2012. A Michigan resident must hold a journey electrician license for a minimum 2 years to qualify for the master electrician examination as specified for in 1956 PA 217.

RECOMMENDATION:

In accordance with the acts and rules listed above staff concludes that Mr. Choi does not meet the requirements to sit for the State of Michigan master electrician examination and recommends that the board approve Mr. Choi to sit for the State of Michigan journeyman electrician examination.



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVE ARWOOD
DIRECTOR

Date Mailed from BCC:

August 8, 2013

Joungho Choi
[REDACTED]
[REDACTED]

Document E-13-51
Exam Applicant Review

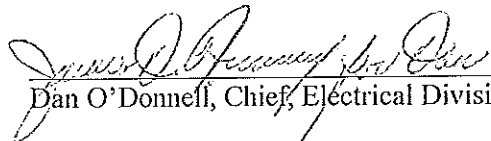
NOTICE OF MICHIGAN ELECTRICAL ADMINISTRATIVE BOARD MEETING

You are hereby notified that in accordance with the Administrative Procedures Act, 1969 PA 306, MCL 24.201 *et seq.*, and the Electrical Administrative Act, being 1956 PA 217 MCL 338.881 *et seq.*, you are scheduled to appear before the Michigan Electrical Administrative Board on:

Date: August 22, 2013
Time: 9:30 a.m.
Location: Department of Licensing and Regulatory Affairs
Bureau of Construction Codes
2501 Woodlake Circle, Conference Room 3
Okemos, MI 48864

This notice is to provide you the opportunity to provide testimony to the board regarding your experience and eligibility to sit for the Master Electrician exam. If you wish to offer any document(s) into evidence, you must file the documentation with Electrical Division prior to the meeting or bring fifteen (15) copies of the information you wish to enter for the board's consideration. In the event you are unable to attend the meeting or you choose not to appear before the board, please contact the Electrical Division in advance of the meeting. In the event that you fail to appear at the meeting as scheduled, a decision may be entered in your absence.

Accompanying this notice is a report outlining our findings and recommendation based upon the Electrical Administrative Act being 1956 PA 217 MCL and the documentation you have provided at the time of mailing. Any questions regarding this matter may be directed to the Electrical Division at (517) 241-9320.


Dan O'Donnell, Chief, Electrical Division

7 AUG 2013
Date

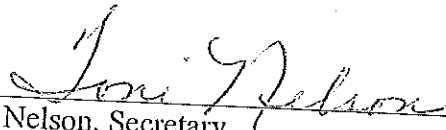
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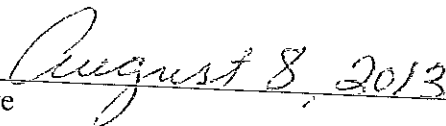
Exam Applicant Review
Joungho Choi
Document No. E-13-51
August 22, 2013
Page 2 of 4

PROOF OF SERVICE



I hereby state, to the best of my knowledge, information, and belief, that a copy of the foregoing document was served on this date upon all parties and/or attorneys of record in this matter by email to those parties employed by the State of Michigan and by first class mail to the remaining parties at their respective addresses as disclosed below.



Toni Nelson, Secretary
Electrical Division
Bureau of Construction Codes



Date

Joungho Choi



BCC Administration

Application for Master Electrician Examination
Michigan Department of Licensing and Regulatory Affairs
Bureau of Construction Codes / Electrical Division
P.O. Box 30255, Lansing, MI 48909
517-241-9320
www.michigan.gov/bcc

103

Agency Use Only

Examination Fee: \$100.00 (nonrefundable)

Authority: 1956 PA 217
Completion: Mandatory
Penalty: Examination will not be given

LARA is an equal opportunity employer/program. Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.

Instructions:

- See back of application for qualifications for examination.
- Complete and sign application. Type or print in ink.
- Application and fee must be received 20 business days prior to the examination date.
- Applicant must not be less than 22 years of age.
- Provide **original notarized** statements from current and past employers documenting required experience with this application. Statements must be on employers' letterhead stationery and include the dates and hours of employment (see qualifications on back of application) and names and license numbers of supervising master electricians. Be sure that all statements are **notarized**.
- Enclose a check made payable to the State of Michigan.
- Mail completed application, required documents, and payment to the address listed above.

Applicant Information

NAME (Last Name, First Name, Middle Initial)		DATE OF BIRTH	LAST 4 DIGITS OF SOCIAL SECURITY NUMBER*
Choi, Joungcho			XXX-XX-XXXX
ADDRESS	CITY	TOWNSHIP	
COUNTY	STATE	ZIP CODE	TELEPHONE NUMBER (Include Area Code)
	GA		
JOURNEYMAN LICENSE NUMBER	NUMBER OF YEARS JOURNEYMAN LICENSE HELD	LICENSING JURISDICTION	

Have you previously taken this examination? ☐ Yes ☒ No

If examination was not administered by the State Electrical Division provide the licensing entity:

City of _____ Township of _____

Examination Site

Examinations are given at the sites listed below. Refer to the enclosed "Schedule of Electrical Board Meetings and Licensing Examinations" for examination dates. Please check below the site you wish to be examined at and indicate a preference of examination month. If approved for examination, an admission card will be mailed to you approximately 10 days prior to the examination date. If the examination you have selected is full, you will be scheduled for the next available examination at your preferred site.

Preferred Site

☐ Lansing

☒ Escanaba

Preferred Month

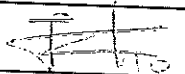
____ July ____

If you have a disability and require an accommodation to take the examination, please submit written documentation from a professional (education professional, doctor, psychologist, psychiatrist) to certify that your disabling condition requires the requested test accommodation. Forms are available from this office.

Certification and Signature

I certify the information is true and accurate to the best of my ability and I have the experience required for this examination. I further understand falsification of any statement is cause for rejection of this application or revocation of license, if issued. If granted a master's license, I swear I will not represent as master more than one person, firm, or corporation and if I resign as master I will notify the electrical administrative board within 10 business days.

APPLICANT'S SIGNATURE



DATE

5-1-2013

Qualifications for Examination

To qualify for a master electrician license examination, a person shall meet the following criteria:

- (a) Provide an *original notarized* statement from present or past employers to demonstrate the attainment of 4,000 hours in not less than 2 years of practical experience under the supervision of a master electrician, subsequent to initial journeyman license issue date.
- (b) If the journeyman license was not issued by the board (department), provide a copy of the license that was issued by a municipality providing for licensing pursuant to the provisions of section 6 of the act or a statement from the licensing authority that verifies the license issue date shall be furnished.

Examination Eligibility of Applicants From Other States or Countries

A person who is licensed as a master electrician in another state or country may qualify for examination upon a determination by the board that the license was obtained by the person through substantially the same or equal requirements as those of the state of Michigan. Refer to information packet.

Information

Applicants are permitted one examination for the \$100.00 fee. Upon achieving a passing score of 75% or higher, the applicant will be billed \$50.00 for the master electrician license prior to issuance of the license.

A separate license is required for an electrical contractor.

Agency Use Only

Approved for Exam ☐ Yes ☐ No

Date of Exam	Score	Absent	Date of Exam	Score	Absent

Date Approved by EAB _____

Validation Area

05/13/13
DATE: 1080 AM: 1100.00
ID: JOUNG H CHOI



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LaGrange, GA 30241
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F 706 298 5810~11
www.se-won.co.kr

Name of examination applicant:

Joungcho Choi

Exact dates employed by you:

Feb. 5 2007 To Apr. 24 2013

From: month/day/year To: month/day/year

Total hours worked for your company, not including overtime:

12,320 hrs

Brief description of your experience or duties:

Assigns work to and oversees the work of assigned electricians, maintenance machianics.

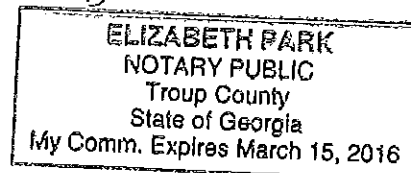
Under whose supervision did the apprentice work:

Ji Kwan Kim

Supervising master electrician's License Number:

EN214120

Supervising master electrician's signature:



Application Checklist

The following checklist is an important part of your application. Please use this checklist to ensure that you submit a COMPLETE application. This checklist is for your use and does not need to be sent with your application!

The \$30.00 non-refundable application fee payable to Georgia Construction Industry Licensing Board must be included with this application.

The Board cannot process incomplete applications. If any item is missing, incomplete or incorrect, your application cannot be reviewed by the Board. Please review this application before you submit it to ensure that all information and documentation is complete and correct by the stated deadline. Incomplete applications result in delayed processing. Incomplete applications are void after one year.

- ☐ **NOTARIZED APPLICATION:** The six-page correctly completed application must be mailed to the Board's office at the address listed above, along with your FEE no later than 60 days prior to the examination, and must be notarized. If any portion of your application is returned to you for completion, it must be received in this office by the deadline in order for it to be considered a complete application.
- ☐ **EXPERIENCE INFORMATION:** You must document a minimum of 4 years of experience under a licensed contractor doing contracting work. Employer information includes the qualifying licensee name and number, dates of employment, range of sizes for each category (i.e. 200-300 amps, 1/2-20 hp, etc.), and average number of hours a week duties performed. Do not attach extra pages explaining the categories; they are already defined. If extra pages with this information are attached, the application will be returned. See Sample Page for correct completion. *If you have had more than 6 employers, you may make copies of a blank experience page and attach behind page 4.*
- ☐ Qualifying licensee names & numbers must be listed in order for the experience to count towards primary experience. If the license holder is from out of state, please explain if it is the equivalent to a restricted or non-restricted Georgia license.
- ☐ Employment dates are required to be in the month & year format for each employer.
- ☐ See enclosed sample page for acceptable format. If this format is not used, the application will be returned for correct completion.
- ☐ **PERSONAL HISTORY:** All questions must be answered.
Education: Submit only certificates showing you have completed a vocational/technical school program or copy of a diploma in Engineering Technology or related electrical field. No other education is accepted nor should it be submitted.
- ☐ Beginning August 2007 all applicants must submit a background check with an application. This can be obtained by going to your local law enforcement office or through a private background check agency. If you answer "yes" on the conviction question, you must submit the requested certified documentation.¹
- ☐ **REFERENCE LETTERS:** Three (3) notarized original reference forms from professionally licensed people that have knowledge of your work are required for each reference listed on your application. Only references from the following categories are accepted: electrical contractor, registered architect, professional engineer or city/county inspector. At least one reference must be from a licensed electrical contractor that you have worked under.
Non-restricted applicants: must have at least one non-restricted reference & matching reference form from an employer where the bulk of your experience was obtained. If more than one electrical reference is used, all must be non-restricted license holders.
No copies of the reference letters will be accepted.

*Make a copy of everything you are submitting for your application!
Detach and retain this page for your records.*



PROFESSIONAL LICENSING

GEORGIA SECRETARY OF STATE BRIAN P. KEMP

CORPORATIONS • ELECTIONS • LICENSING • SECURITIES • ARCHIVES

Licensee Information

Name: Ji Kwan Kim
Owner/Manager
Name:
Address:

Primary Source License Information

Profession: Electrical Contractor License No: EN214120 License Status: Active
License Type: Electrical Contractor-Obtained By Examination From State/Prov:
Non Restricted Method:
Issue Date: 8/26/2005 Expiration Date: 6/30/2014 Last Renewal Date:

Discipline Information

No Discipline Information

No scanned public board order documents exist.

Associated Licenses

No Associated License Information Available

You may close this window to return to your search results

Data current as of: April 24, 2013 21:30:24

This website is to be used as a primary source verification for licenses issued by the Professional Licensing Boards.
Paper verifications are available for a fee. Please contact the Professional Licensing Boards at 478-207-2440.

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MAY 16 2013

ELECTRICAL
DIVISION



PROFESSIONAL LICENSING

GEORGIA SECRETARY OF STATE BRIAN P. KEMP

CORPORATIONS • ELECTIONS • LICENSING • SECURITIES • ARCHIVES

Licensee Information

Name: Joung Choi
Owner/Manager
Name:
Address:

Primary Source License Information

Profession: Electrical Contractor License No: EN216155 License Status: Active
License Type: Electrical Contractor-Obtained By Reciprocity From State/Prov: AL
Non Restricted Method:
Issue Date: 10/29/2012 Expiration Date: 6/30/2014 Last Renewal Date:

Discipline Information

No Discipline Information

No scanned public board order documents exist.

Associated Licenses

No Associated License Information Available

You may close this window to return to your search results

Data current as of: April 12, 2013 13:48:44

This website is to be used as a primary source verification for licenses issued by the Professional Licensing Boards.
Paper verifications are available for a fee. Please contact the Professional Licensing Boards at 478-207-2440.

USA
Georgia COMMERCIAL DRIVER'S
LICENSE


112178 DL NO. 057450748 DOB [REDACTED]
CLASS A EXP 01/18/2014
JOUNGHO
CHOI

[REDACTED]

GROUP
Restrictions B End NONE
Iss 02/03/2012

Sex M Eyes BRO
Hgt 5'-06" Wgt 160 lb

DD 107200568190069060



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NOV 14 2012

RECEIVED



State of Alabama
The Alabama Board of Electrical Contractors

2777 Zelda Road
Montgomery, Alabama 36106
(334) 420-7232
Fax (334) 263-6115

www.aecb.alabama.gov

**ELECTRICAL CONTRACTOR APPLICATION INFORMATION AND INSTRUCTIONS
BY EXAMINATION OR RECIPROCITY AGREEMENT**

1. **APPLICATION REVIEW BY EXAMINATION** – Applications for the examination are reviewed at the Board's quarterly meetings. Applications are to be submitted to the Board Office on or before the deadline (Meeting Schedule Enclosed). Applications received after the deadline will remain in the Board Office until the next quarterly meeting. You will be notified of your approval to submit a fee of \$165 (**Cashier's Check or Money Order**) within 10 days after being approved. Once this fee is paid, you will receive an authorization letter with instructions to schedule the examination within 90 days. All scores are reported by mail. If you do not pass, you will receive a form to retake the examination. Do not submit your application in a quarter that you will not be prepared to take the examination. Authorization letters are not transferable. You will be required to submit a re-take form (available on the web site) along with an additional examination fee if you fail to schedule and take your examination within the authorized 90 days.

APPLICATION INSTRUCTIONS

In order for your application to be reviewed by the Board, it must be complete and include all the following information:

- ✓ Mark the appropriate category (By Exam or Reciprocal)
- ✓ All Questions and Information Requested is Complete
- ✓ Obtained Required and Notarized Signatures
- ✓ Passport Photo (2x2)
- ✓ Completed Work Experience and Work Affidavit (This Information is Required for Both the Exam and Reciprocity) Application will be automatically denied if either or both of the sections are incomplete.

REQUIRED EXPERIENCE

The required experience to qualify for this examination is to be in the commercial, industrial or residential new construction fields. You must have held a supervisory or managerial position for the required amount of time. **Maintenance experience of any type will not be counted towards the required amount of time.** The Work Affidavit must be completed by

someone in the Human Resources Department, Company President/CEO, Electrical Contractor, Master Electrician, Electrical Engineer or Electrical Inspector. You cannot sign your own work affidavit even if you are self-employed. If you are self employed and there is no one listed above that is available to sign a work affidavit, you must write a letter detailing the dates you went into business and a description of the electrical experience acquired in the business.

The application must have a minimum 8,000 hours of supervisory electrical construction experience. As defined in Chapter 303-X-2-.02(b)(1): "Persons applying for a state wide electrical contractor examination must demonstrate a minimum of 8,000 hours that shows that you have designed, planned, laid-out and directly supervised electrical construction activities and the installing of electrical components."

Qualified Education

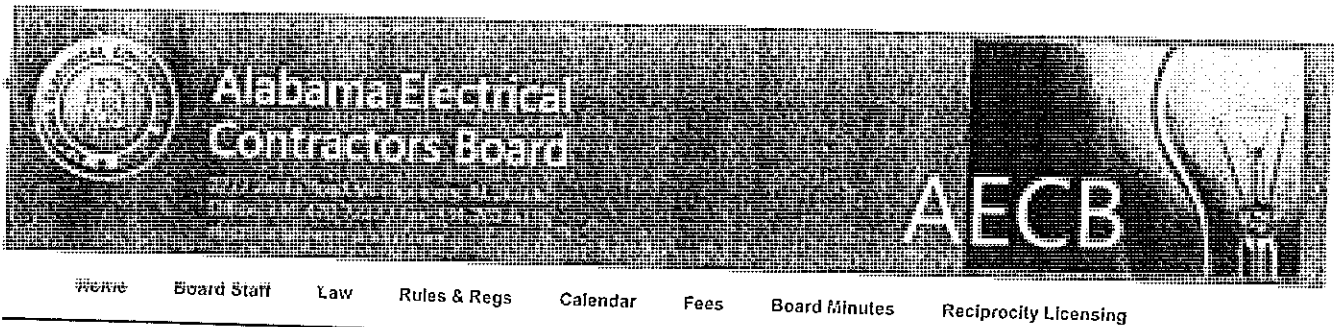
Applicant may substitute (1) year of education in electrical curriculum for one-half (1/2) year electrical experience for a maximum of two (2) years credit of the four (4) years experience requirements. The applicant must submit a copy of the diploma, certificate, or transcript.

2. Applicants Applying / Reciprocity Agreement

- A. All reciprocal applicants must meet the experience requirements listed above. An applicant also must have passed a standardized examination with one of the participating state(s): Arkansas, Georgia, Louisiana, Mississippi, North Carolina, South Carolina, Tennessee or Virginia. The applicant must not have any outstanding complaints with any other licensing agency, and all applicants must be currently licensed in good standing. This completed application along with a copy of license issued by the state licensing board showing you have an electrical contractor's license in the category in which you are applying. An original letter from the state licensing board verifying (copies, faxes and online verifications are not accepted) the original verification letter must be included with the application, that you hold an unlimited/unrestricted license and passed the required examination. The reciprocity fee of \$315.00 (Cashier's Check or Money Order) must accompany the application.
- B. Note that State law requires any electrical contractor performing a job over \$50,000 must have an appropriate license issued by the Alabama Licensing Board for General Contractors. Questions regarding this contact the General Contractors Board at 1-800-356-6361 or www.genconbd.state.al.us.

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ALABAMA



Roster Search

New Search

First Name:
Last Name:
Business Name:
Business City:
License Type:
License Number:

Search Results

Name	Lic #	Lic Type	Renewal Date	Status	Business Name	Business Address
Choi, Jounggho	04517	ELEC CONTRACTOR	6/30/2013	ACTIVE	Sewon	[REDACTED]

1 licensees met your search criteria.

[Home](#) [Statements & Policies](#) [Alabama.gov](#) [Online Services](#) [Alerts](#) [Feeds](#) [Translation](#) [Top](#)

State of Alabama
Electrical Contractors Board

Joungho Choi

Sewon

ELECTRICAL CONTRACTOR

Original Issue Date: 6/26/2012
License No: 04517 Expires: 6/30/2013

30993



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVE ARWOOD
DIRECTOR

May 22, 2013

Jounghl Choi
[REDACTED]
[REDACTED]

Dear Mr. Choi:

Your application for the July master electrical examination cannot be approved for the following reasons:

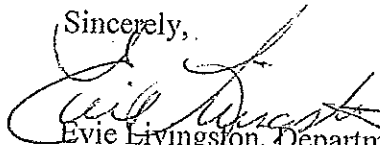
Please provide a notarized statement from present or former employers documenting that you have a minimum of 12,000 hours of practical experience that has been obtained over a period of not less than 6 years, 4000 hours and 2 years must be as a licensed journeyman installing NOT supervising electrical installations.

Return a copy of this letter to PO Box 30254, Lansing, MI 48909 with any response required by June 15, 2013 to be eligible for the August 2013 exam.

If you are unable to provide the additional information requested you will be ineligible for the examination and any fees paid will be forfeited as outlined in Rule 338.1002a of the General Electrical Administrative Board Rules.

Please contact the Electrical Division at 517 241-9320 if you have any questions.

Sincerely,


Evie Livingston, Departmental Technician
Electrical Division

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JUN 11 2013

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MICHIGAN

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1000 Sewon Blvd.
LaGrange, GA 30241
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F 706 298 5810~11
www.se-won.co.kr

Name of examination applicant: Joungho Choi

Exact dates employed by you: March 05 2007 To June 03 2013

From: month/day/year To: month/day/year

Total hours worked for your company, not including overtime: 12520 hrs

1. Apprentice Electrician : 8000 hrs
2. Journeyman Electrician : 4520 hrs

Brief description of your experience or duties:

Install 120V electrical panels and 480V electrical panels
Install Step down transformers (480V ~120V)
Install 277V light fixtures, and 1000W metal Lamps
Install Pads for 2500KVA transformers and 1000KVA transformers
Inspect and measure electrical switch gears temperatures
Install power and communication cable ducts for Automated Robotic Cells
Serve as a journeyman electrician to install 3000A Bus Ducts for stamping machine

Under whose supervision did the apprentice work:

MONICA GREATHOUSE
NOTARY PUBLIC
Troup County
State of Georgia
My Comm. Expires March 15, 2016

Ji Kwan Kim

6-14-13

Monica Greathouse

Supervising master electrician's License Number: EN214120

Supervising master electrician's signature:



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVE ARWOOD
DIRECTOR

August 22, 2013

E-13-52

TO: Members of the State Electrical Administrative Board

FROM: Dan O'Donnell, Chief, Electrical Division

SUBJECT: Master electrician examination application

APPLICANT REPRESENTATIVE:

Kevin O. Ryan

PROJECT:

N/A

AUTHORITY:

The Michigan Electrical Administrative Act, 1956 PA 217 of the Michigan Compiled Laws.

The Electrical Administrative Board General Rules

REQUEST:

Request to petition the Electrical Administrative Board to sit for the master electrician examination.

APPLICABLE RULE:

1956 PA 217 MCL, 338.883a Sec 3a. (c), MCL 338.883c Sec. 3c. (1) a,b,c,d,e, and Electrical Administrative Board General Rules, R338.1004a Rule 4a. (1), (a), (b), (2), 338.1006a Rule 6a. (1), (2)

FINDINGS:

Mr. Ryan submitted an application to the Electrical Division to sit for the master electrician examination. Mr. Ryan submitted information that indicates that he has been licensed as an unlimited contractor in the State of Georgia since 1990. Mr. Ryan also

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www.michigan.gov/bcc • Telephone (517) 241-9302 • Fax (517) 241-9570

provided documentation that he is currently licensed as a master electrician and electrical contractor in several other states some of which required a passing grade on an examination to qualify for the license.

RECOMMENDATION:

In accordance with the acts and rules listed above staff concludes that Mr. Ryan meets the requirements to sit for the State of Michigan master electrician examination and recommends that the board approve his application.



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVE ARWOOD
DIRECTOR

Date Mailed from BCC: 8/6/2013

Kevin O. Ryan
[REDACTED]
[REDACTED]

Document E-13-52
Exam Applicant Review

NOTICE OF MICHIGAN ELECTRICAL ADMINISTRATIVE BOARD MEETING

You are hereby notified that in accordance with the Administrative Procedures Act, 1969 PA 306, MCL 24.201 *et seq.*, and the Electrical Administrative Act, being 1956 PA 217 MCL 338.881 *et seq.*, you are scheduled to appear before the Michigan Electrical Administrative Board on:

Date: August 22, 2013
Time: 9:30 a.m.
Location: Department of Licensing and Regulatory Affairs
Bureau of Construction Codes
2501 Woodlake Circle, Conference Room 3
Okemos, MI 48864

This notice is to provide you the opportunity to provide testimony to the board regarding your experience and eligibility to sit for the Master Electrician exam. If you wish to offer any document(s) into evidence, you must file the documentation with Electrical Division prior to the meeting or bring fifteen (15) copies of the information you wish to enter for the board's consideration. In the event you are unable to attend the meeting or you choose not to appear before the board, please contact the Electrical Division in advance of the meeting. In the event that you fail to appear at the meeting as scheduled, a decision may be entered in your absence.

Accompanying this notice is a report outlining our findings and recommendation based upon the Electrical Administrative Act being 1956 PA 217 MCL and the documentation you have provided at the time of mailing. Any questions regarding this matter may be directed to the Electrical Division at (517) 241-9320.


Dan O'Donnell, Chief, Electrical Division

8-6-2013
Date

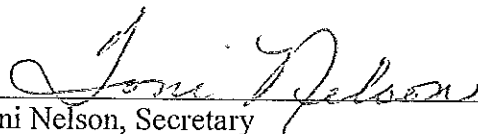
Providing for Michigan's Safety in the Built Environment

LARA is an equal opportunity employer
Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.
P.O. BOX 30254 • LANSING, MICHIGAN 48909
www.michigan.gov/bcc • Telephone (517) 241-9302 • Fax (517) 241-9570

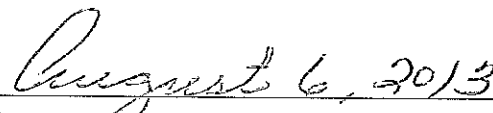
Exam Applicant Review
Kevin O. Ryan
Document No. E-13-52
August 22, 2013
Page 2 of 4

PROOF OF SERVICE


I hereby state, to the best of my knowledge, information, and belief, that a copy of the foregoing document was served on this date upon all parties and/or attorneys of record in this matter by email to those parties employed by the State of Michigan and by first class mail to the remaining parties at their respective addresses as disclosed below.



Toni Nelson, Secretary
Electrical Division
Bureau of Construction Codes



Date

Kevin O. Ryan


BCC Administration

Application for Master Electrician Examination
Michigan Department of Licensing and Regulatory Affairs
Bureau of Construction Codes / Electrical Division
P.O. Box 30255, Lansing, MI 48909
517-241-9320
www.michigan.gov/bcc

103

Agency Use Only

Examination Fee: \$100.00 (nonrefundable)

Authority: 1956 PA 217
Completion: Mandatory
Penalty: Examination will not be given

LARA is an equal opportunity employer/program. Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.

Instructions:

- See back of application for qualifications for examination.
- Complete and sign application. Type or print in ink.
- Application and fee must be received 20 business days prior to the examination date.
- Applicant must not be less than 22 years of age.
- Provide **original notarized** statements from current and past employers documenting required experience with this application. Statements must be on employers' letterhead stationery and include the dates and hours of employment (see qualifications on back of application) and names and license numbers of supervising master electricians. Be sure that all statements are **notarized**.
- Enclose a check made payable to the State of Michigan.
- Mail completed application, required documents, and payment to the address listed above.

05/24/13
CASE: 1530 Amt: \$100.00
JD: KEVIN D RYAN

Applicant Information

NAME (Last Name, First Name, Middle Initial)		DATE OF BIRTH	LAST 4 DIGITS OF SOCIAL SECURITY NUMBER*
Ryan, Kevin, O			XXX-XX-XXXX
ADDRESS	CITY	TOWNSHIP	
COUNTY	STATE	ZIP CODE	TELEPHONE NUMBER (Include Area Code)
JOURNEYMAN LICENSE NUMBER	NUMBER OF YEARS JOURNEYMAN LICENSE HELD	LICENSING JURISDICTION	
EN009565	23 (Masters)	G.A. and 19 additional states	

Have you previously taken this examination? ☐ Yes ☒ No

If examination was not administered by the State Electrical Division provide the licensing entity:

City of _____ Township of _____

Examination Site

Examinations are given at the sites listed below. Refer to the enclosed "Schedule of Electrical Board Meetings and Licensing Examinations" for examination dates. Please check below the site you wish to be examined at and indicate a preference of examination month. If approved for examination, an admission card will be mailed to you approximately 10 days prior to the examination date. If the examination you have selected is full, you will be scheduled for the next available examination at your preferred site.

<u>Preferred Site</u>	<u>Preferred Month</u>
<input checked="" type="checkbox"/> Lansing	August
<input type="checkbox"/> Escanaba	

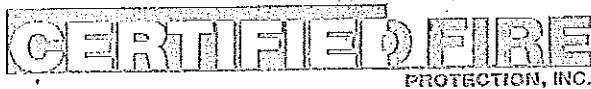
If you have a disability and require an accommodation to take the examination, please submit written documentation from a professional (education professional, doctor, psychologist, psychiatrist) to certify that your disabling condition requires the requested test accommodation. Forms are available from this office.

Certification and Signature

I certify the information is true and accurate to the best of my ability and I have the experience required for this examination. I further understand falsification of any statement is cause for rejection of this application or revocation of license, if issued. If granted a master's license, I swear I will not represent as master more than one person, firm, or corporation and if I resign as master I will notify the electrical administrative board within 10 business days.

APPLICANT'S SIGNATURE	DATE
	5-20-13

*This information is confidential. Disclosure of confidential information is protected by the Federal Privacy Act.



January 26, 2011

Contractor's Licensing Board

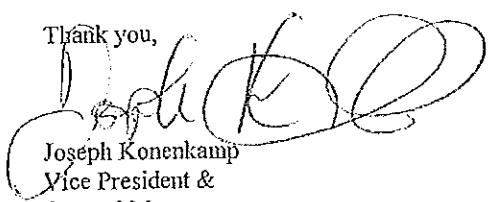
Ref: Contractors License Candidate – Kevin O. Ryan

To Whom It May Concern:

We hereby swear and attest that Kevin O Ryan worked for our organization as an electrical sub-contractor. In this capacity Kevin performed turn-key installations on numerous electrical projects approximately between the years of 1994 and 2002. In accordance with our policy for sub-contractors Kevin carried all the necessary insurances and was fully licensed in accordance with laws of the State of Georgia. Kevin worked under the supervision of Joseph Konenkamp, also Georgia licensed as an Electrical and Low Voltage Contractor. License #'s EN-210555 and LA-004360.

I hope that you will find this information satisfactory so that it will further his efforts toward licensure in your locale. Please contact me if you would like further information.

Thank you,


Joseph Konenkamp
Vice President &
General Manager

Sworn to and subscribed before me: This 26 day of JANUARY, 2011

Name of Notary: EDWIN A. CONE, JR.

Notary's Signature: 

My Commission Expires this 12 day of JUNE, 2011

Notary's Seal 



PROFESSIONAL LICENSING

GEORGIA SECRETARY OF STATE BRIAN P. KEMP

CORPORATIONS ELECTIONS LICENSING SECURITIES ARCHIVES

Licensee Information

Name: Joseph Konenkamp
Owner/Manager
Name:
Address:

Primary Source License Information

Profession: Electrical Contractor License No: EN210555 License Status: Active
License Type: Electrical Contractor-Obtained By Examination From State/Prov:
Non Restricted Method:
Issue Date: 6/7/1994 Expiration Date: 6/30/2014 Last Renewal Date:

Discipline Information

No Discipline Information

No scanned public board order documents exist.

Associated Licenses

No Associated License Information Available

You may close this window to return to your search results

Data current as of: June 25, 2013 14:16:53

This website is to be used as a primary source verification for licenses issued by the Professional Licensing Boards.
Paper verifications are available for a fee. Please contact the Professional Licensing Boards at 478-207-2440.

121-2-.01 Statewide Electrical Contractor License. Amended.

(1) To obtain a statewide class I or class II electrical contractor license, a person must submit a completed application, meet the experience requirement as described in Paragraph (2) of this rule, obtain a score of seventy (70) on the appropriate examination, and pay the fees required by the Board. An applicant must submit three references on the required form from persons who can attest to the applicant's good character and electrical experience to the satisfaction of the Division. At least one reference must be from a licensed electrical contractor who shall include his or her registration number. Statewide class I electrical contractor licenses are restricted to electrical contracting involving single-phase electrical installations which do not exceed 200 amperes at the service drop or the service lateral. Class II electrical contractor licenses are unrestricted.

(2) Applicants for statewide electrical contractor license must be a minimum of 21 years old and document a minimum of 4 years experience in the electrical field as would be covered by the Georgia Electrical Code or the National Electrical Code. Such experience must be Primary Experience. No more than one (1) year of experience may be credited based on Secondary Experience or Education. Secondary Experience time will be credited at a rate of fifty percent (50%). (For example, three (3) years of Primary Experience and two (2) years of Secondary Experience would meet the 4 years experience requirements). Applicants for Class II Licenses must document experience with installations in excess of single phase, 200 amperes systems.

(3) Primary Experience shall mean working experience gained through the direct installation of electrical systems of a type covered by the National Electrical Code and directly related activity. Primary Experience involves installation of electrical systems. The public welfare and overall life safety responsibility require that an electrical contractor have actual in-the-field experience and be competent in all phases of electrical work. Nothing in this rule shall be construed to permit the unlicensed practice of electrical contracting. Applicants for Class II licenses must document prior experience in all of the following, and applicants for Class I license must document primary experience in at least 6 of the following:

(a) Installation of raceway systems, including pull boxes, junction boxes, conduit bodies and the connections in the system and to cabinets, panelboards, switchboards, and boxes, which meet all Code use and installation requirements.

(b) Installation of conductors, including flexible cords, cables, splices, taps, terminations, bonding jumpers, overcurrent protective devices, metering devices, etc., in cabinets, panelboards, switchboards, boxes and conduit, which meet all Codes use and installation requirements, such as to sizing, ampacity, voltage, etc.

(c) Installation of service entrances, metering devices, cabinets, switchboards, service risers and fasteners, overcurrent protective devices, disconnecting means, ground electrodes, main bonding jumpers, and ground fault protectors which all meet Code installation requirements, such as to sizing, rating, clearances, and weatherproofing.

(d) Installation of motors and generators with feeders, branch circuits, overcurrent protective devices, disconnect means, and controllers all of which meet Code installation requirements, such as sizing, rating, usage, and location.

(e) Installation of switches, disconnects, controls, etc., which supply lighting fixtures, appliances, electrical circuits, controls for heating and air conditioning equipment, other

utilization and general use equipment, according to use and Code installation requirements.

(f) Installation of materials and equipment required for use in special occupancies according to use and Code installation requirements, as defined by Chapter 5 of the National Electrical Code.

(g) Bonding of interior metal piping systems, installation of properly sized equipment grounding conductors, grounding of exposed noncurrent carrying metal parts of electrical equipment, and protection of grounding conductors from physical damage.

(h) Determination of general lighting loads, minimum branch circuits, minimum ampacity of conductors in feeder and branch circuits, maximum allowable conductor fill for raceways, net loads, using specified or optional methods, rates or demand factors, and derating factors given in the Code.

(4) Secondary Experience shall mean work or training experience related to electrical contracting work involving electrical systems covered by the National Electrical Code. Examples of Secondary Experience may include:

(a) Instruction received on electrical installation, theory, and code by a full-time secondary or post secondary instructor in an established class at a recognized learning center.

(b) Inspection of electrical wiring by a full-time municipal or county inspector.

(c) Electrical engineering design by a registered professional engineer.

(d) Work for a licensed electrical contractor with sole responsibility in at least three (3) of the following areas: estimating; project management; scheduling and assigning work; preparing progress charts (CPM's or other flow charts); sales and cash flow responsibilities such as budgetary, preparation of pay request, invoices, etc.

(e) Installation of electrically lighted signs.

(5) Education may be applied toward the experience requirements as follows:

(a) Completion of a two (2) academic year minimum diploma.

(b) Completion of a two (2) academic year minimum certificate program of a vocational-technical school may be credit as no more than one (1) year of experience.

(6) The Board, in its discretion, may allow for the oral administration of the examination. Requests for oral administration of the examination must be received in writing and approved by the Division prior to the examination being scheduled. In conjunction with any request for oral administration of the examination, the applicant shall give full and complete explanation of any physical, emotional, or educational limitation. The decision of the Division concerning such a request is final.

Authority Ga. L. 1983, pp. 430-431; O.C.G.A. Secs. 43-14-5, 43-14-6. History. Original Rule entitled "Fees," was filed as Emergency Rule 121-2-1-0.2-.01 on July 28, 1980; effective July 22, 1980, the date of adoption, to remain in effect for a period for 120 days or until the effective date of a permanent Rule covering the same subject matter superseding this Emergency Rule, as specified by the Agency. Amended: Emergency Rule repealed and Emergency Rule 121-2-1-0.8-.01 entitled "Qualifications for Licensure," adopted. Filed September 29, 1980; effective September 25, 1980, the date of adoption, to remain in effect for a period of 120 days or until the effective date of a permanent Rule covering the same subject matter superseding this Emergency Rule, as specified by the Agency. Amended: Emergency Rule repealed and permanent Rule entitled "Qualifications for Licensure" adopted. Filed November 7, 1980; effective November 27, 1980. Amended: Rule repealed by Emergency Rule 121-2-0.14-.01, entitled "Statewide Electrical Contractor License." Filed April 28, 1981; effective April 22, 1981, the date of adoption, to remain in effect for a period for 120 days or until the effective date of a permanent Rule covering the same subject matter superseding this Emergency Rule, as specified by the Agency. Amended: Emergency Rule repealed and permanent Rule 121-2-.01 of same title, adopted. Filed July 30, 1981; effective August 19,



L. K. Comstock National Transit, Inc.
5300 Oakbrook Parkway, Suite 190
Norcross, GA 30093
678.990.7579
Mobile: 678.951.2601
Fax: 678.990.7578
www.railworks.com

Kevin O Ryan/Resume

1980 -1983

The Electric Co. Vail CO

With supervision of a Master Electrician installed the following for new multifamily dwelling units;

Romex ,SEU, SE, Telephone and CATV wiring. Completion of installation by means of installing all associated devices and light fixtures. Involvement with the final terminations of the main service equipment, grounding and bonding.

1983 -1987

Henderson Electric Co. Atlanta GA
Job Title/Electricians Helper

Assisted journeymen on site with the installations of the following;

PVC Conduit in duct banks – 1/2"-6"
Galvanized Rigid Conduit -1/2"-4"

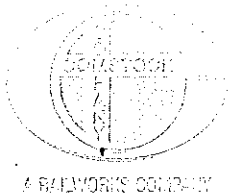
Installation of conduit in buildings 1/2"-4"
EMT for feeders and branch circuitry

Assisted with the installation of the required conductors for the feeders and branch circuits consisting of #12 wire through 500mcm service conductors.

1986 – 1990

WB Moore Inc. Atlanta GA Foreman on a new US Postal Facility in charge and responsible for the installation of all high bay lighting. Consisting of but not limited to the following; Lay out of lighting locations and installation of emt conduit and associated wiring. Installation of high bay lights with terminations of SO cord to the termination point overhead. Advanced to Superintendent position for completion of an eight story office building. Duties were as follows; Installation of all underground duct banks (PVC and GRC) conduits for power and communications.





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Mobile: 678.951.2601
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www.railworks.com

Continued

Installation of emt, mc cable, receptacles egress lighting and normal lighting along with conductors from the sizes of #12 through 500mcm in the interior of the building. In addition to this the wiring of the fire pump, transfer switch and all other life safety associated items.

1990 – 2004

Owner and Operator of Electric Connection Inc. Installation of electrical wiring for new residential dwellings from the size of 2000sq. ft. to 6000sq. ft. Consisted of the following; Rough in wiring of Romex, telephone, CATV, Fire Alarm, service conductors and grounding systems. Trim out (completion of installation consisting of receptacles, light fixtures, catv jacks, telephone jacks and service equipment.

New wiring for medical offices; Install new services from 200 amp 120/208 to 2000 amp 480/277 This consisted of the following; Installation of new underground services in PVC and GRC conduits. Rough in of electrical wiring and completion of project with the installation of light fixtures, duplex receptacles, light switches, dimmers, smoke detectors, manual pull stations, programming of fire alarm panel and check out of all the above.

New Wiring for Tenant Lease Spaces;
Same as Above

Special Hazard Application Locations; Installation of new and additional electrical systems for suppression systems, building fire alarm systems, transfer switches, fire pump controllers and fire pumps. Install emt, pvc, grc and stainless steel conduit for conductors needed for fire alarm systems. Conductor sizes ranged from #12 through 500mcm. Installed smoke detectors, manual pull stations, leak detection systems, duct detectors and hvac shutdown tie in. These installations occurred in the following types of areas; Live transformer vaults, radar imaging booths, data centers, assembly line computer rooms and more.

RECEIVED

10/15/2004





L. K. Comstock National Transit, Inc.
5300 Oakbrook Parkway, Suite 190
Norcross, GA 30093
678.990.7579
Mobile: 678.951.2601
Fax: 678.990.7578
www.railworks.com

2006- 2010 JE Dunn S.E. DBA/R.J. Griffin & Company

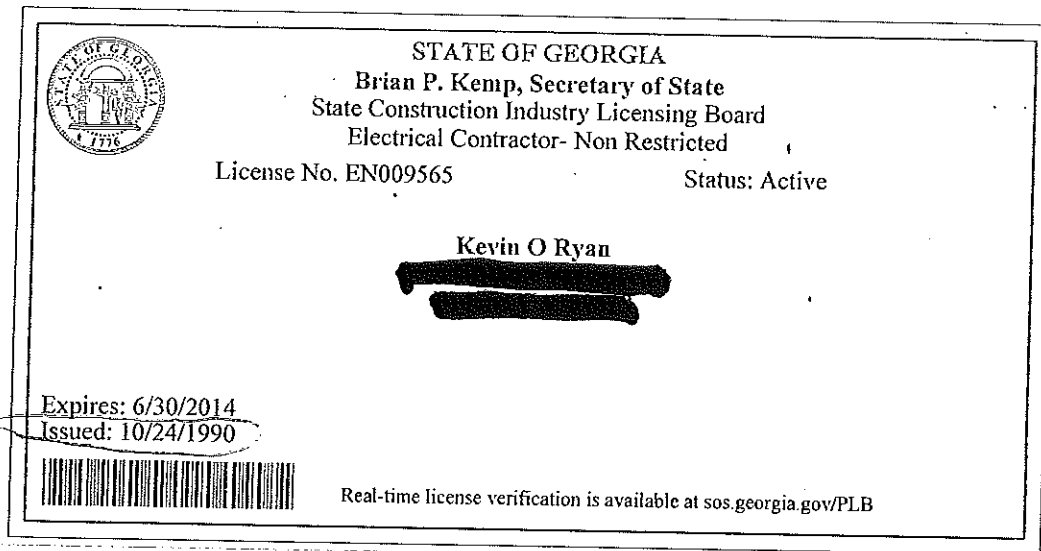
M.E.P. Coordinator/ Superintendent

Supervision and coordination of the installation with the following systems: Electrical, Fire Alarm, Mechanical, Plumbing, Fire Sprinkler, Security and Elevator systems: Direct responsibilities included the coordination of these trades and systems through final inspections and final certifications of occupancy, including building commissioning. Also provide project team support, ensure that actual construction parallels with the schedule per the MEP of the project. Average project 100 mill.

2010-Present L.K. Comstock National Transit Inc. Responsible for the oversight and management of all of LKC-NT's electrical installations. Routinely inspects LKC-NT's work to ensure code compliance and implementation of safe working practices. Regularly communicates with LKC-NT's Field Supervision and where necessary LKC-NT Subcontractors

RECEIVED





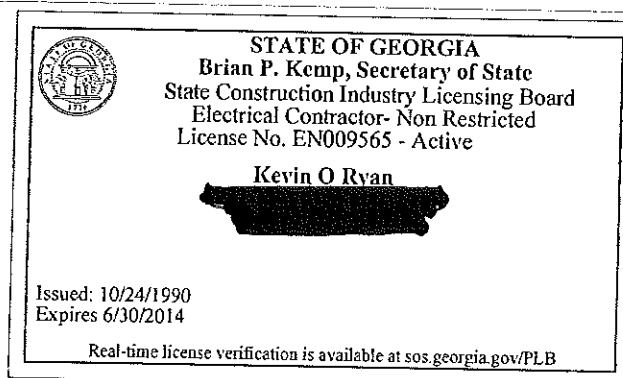
The Certificate above may be used for wall display.

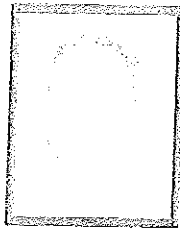
The Card below may be used as the pocket identification card.

Notify the Board office of name/address changes at:

Georgia Secretary of State
Professional Licensing Boards
237 Coliseum Drive
Macon, GA 31217-3858

Or visit us online at:
<http://www.sos.ga.gov/plb/>





Building Codes Division

Issue Date: 10/29/2010

Expire Date: 10/01/2013

License No: 5642S

GENERAL SUPERVISING
ELECTRICIAN

RYAN, KEVIN



STATE OF GEORGIA
BRIAN P. KEMP, Secretary of State
State Construction Industry Licensing Board
Low Voltage-Unrestricted
LICENSE NO. LVU406242
Kevin O Ryan

EXPIRATION DATE - 08/31/2013
Active

2170404

Congratulations on your Georgia Low Voltage-Unrestricted, issued 10/18/2010. Licenses are renewed every two years, expiring on August 31 of odd numbered years.

Effective, July 1, 2002, there is a charge for the decorative wall certificate that is suitable for framing. If you would like to order one, please submit a separate check or money order made payable to the GCILB. The order form for the wall certificate can be found on the Board's website.

Office Hours: 8:00 – 5:00, Monday – Friday
Phone: (478) 207-2440 Fax: (478) 207-1410
Website: www.sos.state.ga.us/plb/construct

RECEIVED

JUN 14 2011

ELECTRICAL
DIVISION

Kevin O Ryan

STATE OF GEORGIA
BRIAN P. KEMP, Secretary of State
State Construction Industry Licensing Board
Low Voltage-Unrestricted
LICENSE NO. LVU406242
Kevin O Ryan

EXPIRATION DATE - 08/31/2013
Active

M565351REWV0810

RYAN, KEVIN O.
[REDACTED]
[REDACTED]

RYAN, KEVIN O.
[REDACTED]
[REDACTED]

ELECTRICIAN LICENSE

CLASS: MASTER

ISSUED: 4/26/2013

EXP DATE: 6/30/2014

RESTRICTIONS: See back



Sterling Lewis, Jr.
Fire Marshal

EXPIRES ON:
12-31-2014

4301 Mayland Dr., Suite 400, Richmond, VA 23268
Telephone: (804) 637-8500

NUMBER
2710055326

BOARD FOR CONTRACTORS
TRADESMAN

KEVIN O RYAN

~~2710055326~~
~~2710055326~~



Gordon N. Dixon
Gordon N. Dixon, Director

ALTERATION OF THIS DOCUMENT, USE AFTER EXPIRATION, OR USE BY PERSONS OR FIRMS OTHER THAN THOSE NAMED MAY RESULT IN CRIMINAL PROSECUTION UNDER THE CODE OF VIRGINIA.

(SEE REVERSE SIDE FOR NAME AND/OR ADDRESS CHANGE)

(TO BE KEPT)

COMMONWEALTH OF VIRGINIA
BOARD FOR CONTRACTORS
TRADESMAN
NUMBER: 2710055326 EXPIRES: 12-31-2014

KEVIN O RYAN

~~2710055326~~
~~2710055326~~



(FOR)

(DETACH HERE)

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION
4301 Mayland Dr., Suite 400, Richmond, VA 23268

TRADE DESIGNATIONS
MASTER ELECTRICIAN

ALTERATION OF THIS DOCUMENT, USE AFTER EXPIRATION, OR USE BY PERSONS OR FIRMS OTHER THAN THOSE NAMED MAY RESULT IN CRIMINAL PROSECUTION UNDER THE CODE OF VIRGINIA.

ACTIVE LICENSE

Kevin O Ryan

EFFECTIVE
02/06/2012

EXPIRATION
11/30/2014

Master Electrician
8181278-5502

SIGNATURE OF HOLDER

IMPORTANT LICENSURE REMINDERS:

- Your license is valid until the expiration date listed on this form. Approximately 60 days prior to this expiration you will receive a renewal notice in the mail.
- Please note the address listed below. This is your public address of record for the division, and all future correspondence from the division will be mailed to this address. If you move, it is your responsibility to notify us directly of the change. Maintaining your current address with us is the easiest way to ensure continuous licensure.

KEVIN O RYAN
[REDACTED]
[REDACTED]

Please visit our web site at
www.dopl.utah.gov should you have any
questions in the future.

STATE OF UTAH
DEPARTMENT OF COMMERCE
DIVISION OF OCCUPATIONAL & PROFESSIONAL LICENSING

ACTIVE LICENSE

EFFECTIVE DATE: 02/06/2012

EXPIRATION DATE: 11/30/2014

ISSUED TO: Kevin O Ryan



REFERENCE NUMBER(S), CLASSIFICATION(S) & DETAILS(S)
8181278-5502 Master Electrician

Kevin O Ryan

SIGNATURE OF HOLDER

TEXAS DEPARTMENT OF LICENSING AND REGULATION

P.O. Box 12157 Austin, TX 78711 -- 920 Colorado Austin, TX 78701

(800) 803-9202 -- (512) 463-6599 -- FAX (512) 475-2871

www.license.state.tx.us -- customer.service@license.state.tx.us

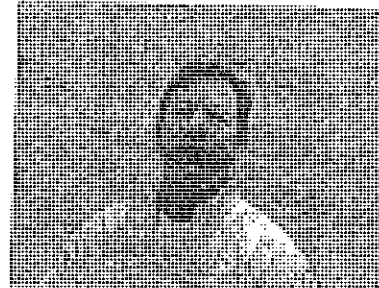
CANDIDATE I.D.#: 218061
10941496

EXAM: TX Master Electrician

EXAM DATE: 04/14/2010

Result: PASS

KEVIN O RYAN



Test Center: Dallas

We are pleased to inform you that you achieved a passing score on the TX Master Electrician examination.

The following strength and weakness report is an analysis of your performance in each of the examination subject areas.

Topic	Points Possible	Points Earned
Definitions, Calculations, Theory, and Plans	12	
Elec Services, Service Equip, Separately Derived Systems	16	
Electrical Feeders	4	
Branch Circuit Calculations and Conductors	16	
Electrical Wiring Methods and Electrical Materials	17	
Electrical Equipment and Devices	12	
Motors and Generators	8	
Electrical Control Devices and Disconnecting Means	3	
Special Occupancies, Equipment, and Conditions	12	
RESULT *** PASS ***	100	

STATE OF TEXAS

KEVIN O RYAN

MASTER ELECTRICIAN

LICENSE NUMBER 218061

EXPIRES 04/15/2011



TEXAS DEPARTMENT OF LICENSING AND REGULATION

PSI sends examination results to TDLR daily. If you have satisfied all requirements for a license, TDLR will mail your license within five working days. If you have not satisfied all requirements for a license, TDLR will mail you a letter detailing the remaining requirements.

You should ensure that TDLR has the correct address. If your address is incorrect, notify TDLR as soon as possible. Your license or other correspondence will be mailed to your address on file with TDLR.

Remember, you are not allowed to perform services for which a license is required until you have your license in hand.



TEXAS DEPARTMENT OF LICENSING AND REGULATION

P.O. Box 12157 Austin, TX 78711

2

KEVIN O RYAN

The state of Texas
umbrella occupational
regulatory agency.

Our Mission:

To honor the public trust,
ensure the public's safety,
and foster a fair and
efficient regulatory
environment.

Our Vision:

To be the nation's
premier state agency.

Our Core Values:

- * Accountability
- * Respect
- * Innovation
- * Teamwork
- * Customer Service
- * Integrity
- * Open and Free Communication

Visit us on the web at:
www.license.state.tx.us

The thermal wallet card attached below is your new license. It is effective through the expiration date on the card.

Why is my new card gold?

We're issuing gold cards for certain license types after receiving feedback from licensees and industry professionals. They requested a way for local government officials and supply shop employees to more quickly and easily identify Master Electricians and Air Conditioning Contractors from other license holders.

Who will receive a TDLR Gold Card?

Beginning May 1, 2012, new and renewing Master Electricians, Master Sign Electricians, and Air Conditioning Contractors will receive a gold-colored TDLR license card.

- You can follow us on Facebook and Twitter:
www.facebook.com/TDLRlicense
www.twitter.com/TDLRlicense
- You can subscribe to receive email notifications from TDLR:
www.license.state.tx.us/newsletters/TDLRnotificationLists.asp

Sincerely,

William H. Kuntz, Jr.

JUN 04 2013

ELECTRICAL
DIVISION

STATE OF TEXAS

KEVIN O RYAN

MASTER ELECTRICIAN

LICENSE NUMBER 218061
EXPIRES 04/15/2014

For assistance contact Customer Service

customer.service@license.state.tx.us

(512) 463-6599

(800) 803-9202 (statewide toll free)

Credential Unit
Safety and Buildings Division
201 W Washington Ave, 4th floor
PO Box 7082
Madison WI 53707-7082
Phone: (608) 261-8467
TDD: (608) 264-8777
Fax: (608) 267-0592
madisoncred@commerce.state.wi.us

KEVIN O RYAN
[REDACTED]
[REDACTED]

This is your new Certification, License, or Registration Card.

ID: 1183387

KEVIN O RYAN

Certification, License, or Registration Name	Expires
Master Electrician License	06/30/15

Wisconsin Department of Commerce
Signature: [REDACTED]

*** Please check your credentials to see if they require continuing education prior to your next renewal.***

Peel the credential card from the letter. Sign the card!

Show the card to whomever requests proof that you hold a credential administered by the Safety and Buildings Division.

This card should indicate other Department of Commerce certifications, licenses, or registrations you currently hold. Destroy all previous cards that have a credential category which also appears on this card. Please review the information on the card. If errors or discrepancies are found, contact the S&B Credential Unit, 608-261-8467. You can also send an email to S&B, madisoncred@commerce.state.wi.us. Be prepared to give the S&B staff person the ID number printed on the card. S&B should also be notified of changes in addresses as they occur. Notification of address changes is the responsibility of the credential holder.

A renewal notice will be sent to the address on file with S&B about 30 days before the expiration date of each credential indicated on the card. Renewals are contingent upon compliance with the requirements specified in Comm 5, Wisconsin Administrative Code.

The Department of Commerce is an equal opportunity service provider and employer. If you need assistance to access services or need material in an alternate format, please contact the department at 608-261-8467 or TDD 608-264-8777.
608-261-8467

SBD-10183 (R.01/09)

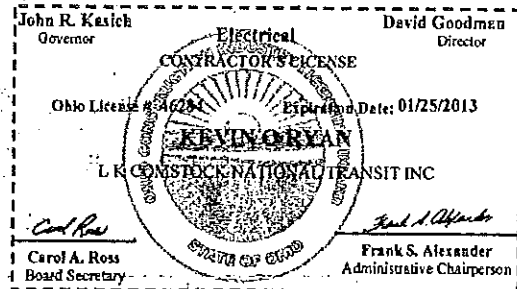


Department
of Commerce

Division of Industrial Compliance
& Labor

John R. Kasich, Governor
David Goodman, Director

KEVIN O RYAN



This is YOUR license. Posting of YOUR license indicates that YOU are the contractor responsible.

YOU are required to display YOUR license in a conspicuous place. If you maintain more than one office or business location, a copy of YOUR license must be displayed at each location. If YOU advertise on YOUR vehicle, YOUR license number must be displayed on the vehicle(s) as well as all advertisements including but not limited to: business cards, telephone directories and other promotional materials.



STATE OF NEW HAMPSHIRE
BUREAU OF ELECTRICAL SAFETY & LICENSING

NAME: KEVIN O RYAN

1. 13037 M
2. 15297 J
- 3.

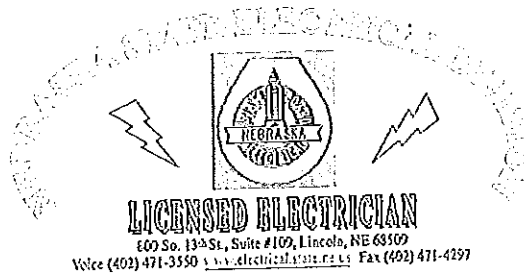
EXPIRES: 12/31/2014

MASTER



RECEIVED

12/31/2014



NEBRASKA STATE ELECTRICAL BOARD LICENSE
This is to certify that
Issue Date: 9/28/2010 Expires: 12/31/2010

KEVIN O RYAN

has met the requirements of the Nebraska State Electrical Act, and is a licensed
Electrical Contractor

President

Fee Received \$ 65.00

License No.

20467

All licenses are subject to renewal if the licensee fails to comply with the rules and regulations of
the State Electrical Act

BOARD
EL

ELECTRICIANS
AS A REG JOURNEYMAN ELECTRICIAN

TYPE

KEVIN O RYAN

JR

38798

2726JR

07/31/13

38798

BOARD
EL

ELECTRICIANS
REGISTERED MASTER ELECTRICIAN

TYPE

KEVIN O RYAN

HR

38799

1111NR

07/31/13

38799

Iowa Electrical Examining Board

KEVIN RYAN

Master Class A Electrician

EL-0026934-MA

Examination
July 2013

State of Louisiana Public Safety State Licensing Board for Contractors

This is to Certify that:

L. K. COMSTOCK NATIONAL TRANST, INC.
5 Penn Plaza, 12th Floor
New York, NY 10001

is duly licensed and entitled to practice the following classifications

ELECTRICAL WORK (STATEWIDE)



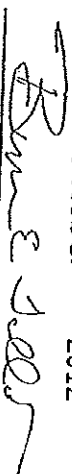

Expiration Date: October 20, 2015

License No: 55717

This License Is Not Transferable

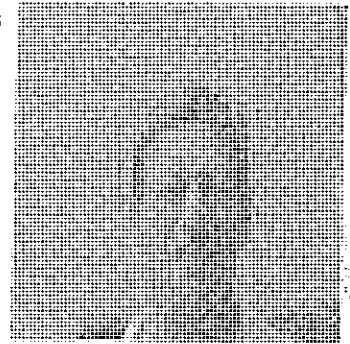
Witness our hand and seal of the Board dated,
Baton Rouge, LA 21st day of October 2012


Director


Chairman

Secretary-Treasurer

This report certifies that Kevin O Ryan, ID No. 214-56-5351, has taken an examination through Prometric and achieved the results detailed below.

Kevin O Ryan
[REDACTED]
[REDACTED]



Examination: Iowa Master Electrician
Exam Date: 09/14/2011
Grade: PASS

Congratulations! You passed the Iowa Master Electrician examination for the Iowa Electrical Examining Board. A score of 75 percent or higher is required for passing. Please Note: Numerical total score and diagnostic code information are not reported to passing candidates to avoid the potential misuse of scores in the workplace.

All requirements based on Iowa Code 103 must be met before a license will be issued to you. For additional inquiries about the electrician and electrical contractor licensing program please visit www.dps.state.ia.us/fm/electrician or call the Iowa Electrical Examination Board at 1-866-923-1082.

If you have any questions regarding your examination please visit our Web site at www.prometric.com, call 800-897-2046, or write to:

Prometric
ATTN: Iowa Electrical Registration
1260 Energy Lane
St. Paul, MN 55108

Valid only with embossed seal and original signature

PROMETRIC™

STATE OF LOUISIANA
STATE LICENSING BOARD FOR CONTRACTORS
2525 QUAIL DRIVE
BATON ROUGE, LOUISIANA 70808-9042
PHONE (225) 765-2301
www.lslbc.louisiana.gov

Bobby Jindal
Governor

Michael B. McDuff
Executive Director

Kevin O. Ryan
L.K. COMSTOCK NATIONAL TRANSIT, INC.
5300 Oakbrook Parkway, Suite 190
Norcross, GA 30093

NOTICE OF EXAMINATION RESULTS

Date Scheduled: Wednesday, August 31, 2011

Social Security #: [REDACTED]

	SCORE	STATUS
Business And Law	●	PASS
I X Electrical Work (Statewide)	●	PASS

THIS NOTICE IS FOR EXAM RESULTS ONLY. ALL REQUIREMENTS FOR LICENSURE MUST BE COMPLETED BEFORE
ISSUING YOUR LICENSE CERTIFICATE.

IF YOU HAVE ANY QUESTIONS, PLEASE CONTACT
THE APPLICATIONS DEPARTMENT AT 225 765 2301



OFFICIAL RESULTS REPORT

Pennsylvania (Philadelphia) Standard
Master Electrician



Name: Kevin Ryan

Candidate ID: KR436281

Address:

[REDACTED]

Date: 12/7/2010

[REDACTED]

[REDACTED]

[REDACTED]

EXAMINATION RESULT: PASS

Congratulations! You have passed the above-named examination. You will be able to verify your pass status on the ICC website within 48-72 business hours after your exam. **Please contact your participating jurisdiction if you wish to pursue licensing.**

A passing score on this examination satisfies the testing requirements for licensure only, and does not guarantee that licensing will be granted. The candidate must also satisfy all local ordinance requirements in each jurisdiction where licensing is desired.

It is extremely important that you notify Pearson VUE and ICC of any changes in name and/or address to avoid the possibility of future correspondence not being received. Please contact both Pearson VUE at 877-234-6082 and ICC at 866-750-2579 with changes to your name and address.

ICC reserves the right to amend or withhold any examination scores if, in its sole opinion, there is adequate reason to question their validity.

PLEASE READ INSTRUCTIONS CAREFULLY

1. ONLY checks or money orders will be accepted, payable to CITY OF PITTSBURGH.
2. ~~100.00 FEE~~ - Return entire enclosure with fee to Permit Office, Room 320, 200 Ross St. Pittsburgh, PA 15219.
3. Please complete other side.

CITY OF PITTSBURGH

REG. NO.
EL04803

EXPIR. DATE
04/30/2014

FEE
\$270.00

ELECTRICAL CONTRACTOR

KEVIN O RYAN
[REDACTED]
[REDACTED]



CONTRACTORS STATE LICENSE BOARD

9821 Business Park Drive, Sacramento, California 95827
Mailing Address: P.O. Box 26000, Sacramento, CA 95826
800-321-CSLB (2752)
www.cslb.ca.gov

State of California

Edmund G. Brown Jr., Governor

Notice of Successful Completion of Examination

In Seat #4 at the Sacramento Testing Facility on 14 April 2011

Applicant: Ryan, Kevin

Application Fee #: 20100204709

Examination Class: C-10

Examination Title: Electrical

Examination Result: Pass



CONTRACTORS STATE LICENSE BOARD

State of California

9821 Business Park Drive, Sacramento, California 95827
Mailing Address: P.O. Box 26000, Sacramento, CA 95826
800-321-CSLB (2752)
www.cslb.ca.gov

Edmund G. Brown Jr., Governor

Notice of Successful Completion of Examination

in State at the Sacramento Testing Facility on 14 April 2011

Applicant: Ryan, Kevin

Application Fee #: 20100204709

Examination Class: Law

Examination Title: Law and Business

Examination Result: Pass



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVE ARWOOD
DIRECTOR

August 22, 2013

E-13-53

TO: Members of the State Electrical Administrative Board

FROM: Dan O'Donnell, Chief, Electrical Division

SUBJECT: Master electrician examination application

APPLICANT REPRESENTATIVE:

Curtis L. Morey

PROJECT:

N/A

AUTHORITY:

The Michigan Electrical Administrative Act, 1956 PA 217 of the Michigan Compiled Laws.

The Electrical Administrative Board General Rules

REQUEST:

Request to petition the Electrical Administrative Board to sit for the master electrician examination.

APPLICABLE RULE:

1956 PA 217 MCL, 338.883a Sec 3a. (c), MCL 338.883c Sec. 3c. (1) a,b,c,d,e, and Electrical Administrative Board General Rules, R338.1004a Rule 4a. (1), (a), (b), (2), 338.1006a Rule 6a. (1), (2)

FINDINGS:

Mr. Morey submitted an application to the Electrical Division to sit for the master electrician examination. Mr. Morey has been licensed as a journeyman electrician in the State of Michigan since April 2009. The documentation submitted by Mr. Morey

Providing for Michigan's Safety in the Built Environment

LARA is an equal opportunity employer
Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.
P.O. BOX 30254 • LANSING, MICHIGAN 48909
www.michigan.gov/bcc • Telephone (517) 241-9302 • Fax (517) 241-9570

indicates that he has over 4600 hours of electrical experience subsequent to his journey electrician licensure with the majority of that experience being attained under the supervision of licensed electrical contractor's signatory with IBEW Local 153 in South Bend, Indiana.

RECOMMENDATION:

In accordance with the acts and rules listed above staff concludes that Mr. Morey meets the requirements to sit for the State of Michigan master electrician examination and recommends that the board approve his application.



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVE ARWOOD
DIRECTOR

Date Mailed from BCC: 8/6/2013

Curtis L. Morey
[REDACTED]
[REDACTED]

Document E-13-53
Exam Applicant Review

NOTICE OF MICHIGAN ELECTRICAL ADMINISTRATIVE BOARD MEETING

You are hereby notified that in accordance with the Administrative Procedures Act, 1969 PA 306, MCL 24.201 *et seq.*, and the Electrical Administrative Act, being 1956 PA 217 MCL 338.881 *et seq.*, you are scheduled to appear before the Michigan Electrical Administrative Board on:

Date: August 22, 2013
Time: 9:30 a.m.
Location: Department of Licensing and Regulatory Affairs
Bureau of Construction Codes
2501 Woodlake Circle, Conference Room 3
Okemos, MI 48864

This notice is to provide you the opportunity to provide testimony to the board regarding your experience and eligibility to sit for the Master Electrician exam. If you wish to offer any document(s) into evidence, you must file the documentation with Electrical Division prior to the meeting or bring fifteen (15) copies of the information you wish to enter for the board's consideration. In the event you are unable to attend the meeting or you choose not to appear before the board, please contact the Electrical Division in advance of the meeting. In the event that you fail to appear at the meeting as scheduled, a decision may be entered in your absence.

Accompanying this notice is a report outlining our findings and recommendation based upon the Electrical Administrative Act being 1956 PA 217 MCL and the documentation you have provided at the time of mailing. Any questions regarding this matter may be directed to the Electrical Division at (517) 241-9320.


Dan O'Donnell, Chief, Electrical Division

8-6-2013
Date

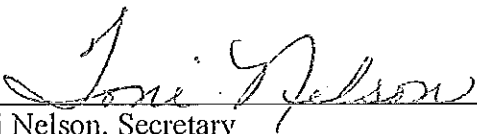
Providing for Michigan's Safety in the Built Environment

LARA is an equal opportunity employer
Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.
P.O. BOX 30254 • LANSING, MICHIGAN 48909
www.michigan.gov/bcc • Telephone (517) 241-9302 • Fax (517) 241-9570

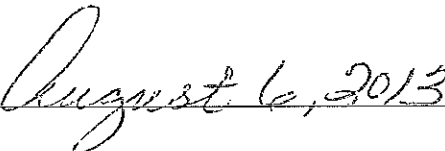
Exam Applicant Review
Curtis L. Morey
Document No. E-13-53
August 22, 2013
Page 2 of 4

PROOF OF SERVICE

I hereby state, to the best of my knowledge, information, and belief, that a copy of the foregoing document was served on this date upon all parties and/or attorneys of record in this matter by email to those parties employed by the State of Michigan and by first class mail to the remaining parties at their respective addresses as disclosed below.




Toni Nelson, Secretary
Electrical Division
Bureau of Construction Codes



Date

Curtis L. Morey



BCC Administration

Application for Master Electrician Examination
Michigan Department of Licensing and Regulatory Affairs
Bureau of Construction Codes / Electrical Division
P.O. Box 30255, Lansing, MI 48909
.517-241-9320
www.michigan.gov/bcc

103

Agency Use Only

Examination Fee: \$100.00 (nonrefundable)

Authority: 1956 PA 217
Completion: Mandatory
Penalty: Examination will not be given

LARA is an equal opportunity employer/program. Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.

Instructions:

- See back of application for qualifications for examination.
- Complete and sign application. Type or print in ink.
- Application and fee must be received 20 business days prior to the examination date.
- Applicant must not be less than 22 years of age.
- Provide *original notarized statements* from current and past employers documenting required experience with this application. Statements must be on employers' letterhead stationery and include the dates and hours of employment (see qualifications on back of application) and names and license numbers of supervising master electricians. Be sure that all statements are *notarized*.
- Enclose a check made payable to the State of Michigan.
- Mail completed application, required documents, and payment to the address listed above.

Applicant Information

NAME (Last Name, First Name, Middle Initial) MOOREY CORNIS L.		DATE OF BIRTH [REDACTED]	LAST 4 DIGITS OF SOCIAL SECURITY NUMBER* XXX-XX-[REDACTED]
ADDRESS [REDACTED]	CITY [REDACTED]	TOWNSHIP [REDACTED]	
COUNTY [REDACTED]	STATE [REDACTED]	ZIP CODE [REDACTED]	TELEPHONE NUMBER (include Area Code) [REDACTED]
JOURNEYMAN LICENSE NUMBER 6334627	NUMBER OF YEARS JOURNEYMAN LICENSE HELD 4 yrs	LICENSING JURISDICTION State of Michigan	

Have you previously taken this examination? ☐ Yes ☒ No

If examination was not administered by the State Electrical Division provide the licensing entity:

City of _____ Township of _____

Examination Site

Examinations are given at the sites listed below. Refer to the enclosed "Schedule of Electrical Board Meetings and Licensing Examinations" for examination dates. Please check below the site you wish to be examined at and indicate a preference of examination month. If approved for examination, an admission card will be mailed to you approximately 10 days prior to the examination date. If the examination you have selected is full, you will be scheduled for the next available examination at your preferred site.

Preferred Site

☒ Lansing

☐ Escanaba

Preferred Month

MAY

MAY 31 2013

ELECTRICAL

If you have a disability and require an accommodation to take the examination, please submit written documentation from a professional (education professional, doctor, psychologist, psychiatrist) to certify that your disabling condition requires the requested test accommodation. Forms are available from this office.

Certification and Signature

I certify the information is true and accurate to the best of my ability and I have the experience required for this examination. I further understand falsification of any statement is cause for rejection of this application or revocation of license, if issued. If granted a master's license, I swear I will not represent as master more than one person, firm, or corporation and if I resign as master I will notify the electrical administrative board within 10 business days.

APPLICANT'S SIGNATURE

DATE

4-26-13

*This information is confidential. Disclosure of confidential information is protected by the Federal Privacy Act.

Qualifications for Examination

To qualify for a master electrician license examination, a person shall meet the following criteria:

- (a) Provide an **original notarized** statement from present or past employers to demonstrate the attainment of 4,000 hours in not less than 2 years of practical experience under the supervision of a master electrician, subsequent to initial journeyman license issue date.
- (b) If the journeyman license was not issued by the board (department), provide a copy of the license that was issued by a municipality providing for licensing pursuant to the provisions of section 6 of the act or a statement from the licensing authority that verifies the license issue date shall be furnished.

Examination Eligibility of Applicants From Other States or Countries

A person who is licensed as a master electrician in another state or country may qualify for examination upon a determination by the board that the license was obtained by the person through substantially the same or equal requirements as those of the state of Michigan. Refer to information packet.

Information

Applicants are permitted one examination for the \$100.00 fee. Upon achieving a passing score of 75% or higher, the applicant will be billed \$50.00 for the master electrician license prior to issuance of the license.

A separate license is required for an electrical contractor.

RECEIVED

MAY 31 2013

ELECTRICAL
DIVISION

Agency Use Only

Validation Area

Approved for Exam ☐ Yes ☐ No

Date of Exam	Score	Absent	Date of Exam	Score	Absent

Date Approved by EAB _____



INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKERS

LOCAL UNION No. 153



March 20, 2013

To Whom It May Concern:

This is to certify that Curtis L. Morey was indentured as an Electrical Apprentice in August of 2009. Mr. Morey has worked for a several electrical contractors throughout his career so far. Mr. Morey became a Michigan Licensed Journeyman in April of 2009 and now wished to take the Michigan Masters Exam.

The following is a chronological order of contractors throughout Mr. Morey's career to present while working for signatory contractors of IBEW Local Union 153.

Contractor	Location	Date of Employment	Michigan Cont. License Number	Total Hours Worked	Hours Worked Under Michigan License
Linear Electric	Benton Harbor, MI	8-2009--11-2009	6110994	550	550
Bancroft Electric	South Bend, IN	4-2010--4-2010		10	
Hartman Electric	Goshen, IN	4-2010--Present		4577.5	
				Total Hrs.	ML Total Hrs.
				4642.5	550

If you have any further questions, please feel free to contact me at 574-287-8655.

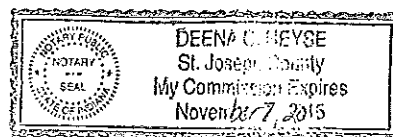
Sincerely,

S. Michael Compton
Business Manager

State of Indiana
County of St. Joseph

Before me the undersigned, A Notary Public for St. Joseph County, State of Indiana, personally appeared S. Michael Compton and acknowledged the execution of this instrument this 21st day of March 2013.

Deena C. Heyse, Notary Public
My commission expires: November 7, 2015



RECEIVED

MAY 01 2013

ELECTRICAL
DIVISION

Serving St. Joseph, Marshall, Elkhart & Kosciusko Counties in Indiana and Berrien & Cass Counties in Michigan since 1914

1345 Northside Blvd. • South Bend, Indiana 46615
Phone 574-287-8655 • Fax 574-233-5234 • www.ibew153.com

2013

MASTER ELECTRICIAN'S LICENSE

ST. JOSEPH COUNTY/CITY OF SOUTH BEND

125 South Lafayette Boulevard, Suite 100

South Bend, Indiana 46601

574-235-9554

574-235-5541 (fax)

In order to obtain a Class "A" license, the applicant must:

- Complete the application form provided
- Be at least twenty-one (21) years of age
- Submit a picture I.D. (i.e., driver's license)
- Submit a fifty dollar (\$50.00) non-refundable application fee (this does not include Prometric's registration fee)
- Provide a statement from the Police Department of their local municipality indicating whether or not the applicant has ever been convicted of a misdemeanor or felony and if so, the crimes convicted of and the dates and places of such convictions.
- Have at least four (4) years (or equivalent) experience in the installation, repair and maintenance of residential, commercial or industrial electrical wiring, apparatus or equipment; and is able to furnish proof of such experience.
- Submit a letter of reference from each contractor listed on the application verifying apprenticeship.

All applicants must be reviewed by the Board of Examiners if they have not taken or passed the exam. The board members have ten (10) business days to review the application to determine if requirements are met as set forth in the ordinance.

Applicants should be certain of the exam date they select. Prometric will not accept anything after the cutoff date for that particular site and month.

If an applicant has previously taken the Prometric exam #C20113 and passed with a score of seventy per cent (70%) or above, a reciprocal letter will be accepted and should be submitted with the application as long as the individual meets the minimum requirements as stated above.

ST. JOSEPH COUNTY/CITY OF SOUTH BEND **2013**
BUILDING DEPARTMENT

ELECTRICAL/HVAC LICENSE INFORMATION

ELECTRICAL CLASS A:

A Class A Electrical Contractor's License may be issued to a person who is principally engaged in the business of electrical contracting. This license entitles the holder and his/her employees to perform electrical contracting work. The holder must maintain a business telephone.

ELECTRICAL CLASS B:

A Class B Industrial Electrical License may be issued to a person who installs, maintains, alters, and/or repairs electrical equipment, provided that any such work performed shall be confined to the industrial premises described in the license application and certificate. No person shall hold more than one (1) Class B license at one (1) time.

HEATING CLASS A:

A Heating, Air Conditioning, and Ventilating Contractor's License may be issued to a person who is principally engaged in the business of heating, air conditioning, or ventilating contracting. This license entitles the holder and his/her employees to perform heating, air conditioning and ventilating contracting work and to sell approved heating, air conditioning and ventilating apparatus and devices. The holder must maintain a business telephone.

There is a fifty dollar (\$50.00) registration fee due from the applicant at the time the application is submitted for review by the appropriate Board. At that time, if the applicant meets the requirements, they will be given the form to submit to Prometric to take the exam. A resume of experience and three letters of reference must accompany the application.

LICENSE FEES:

Electrical Class A	New	\$100.00	Renewal	\$100.00
Electrical Class B	New	\$100.00	Renewal	\$100.00
Heating Class A	New	\$100.00	Renewal	\$100.00

SURETY BOND:

Each applicant that carries a Class A license must also provide a surety bond in the amount of five thousand dollars (\$5,000.00) naming the City of South Bend and St. Joseph County as the obligee for a period of one (1) year. The term of the license will run with the bond expiration date. The bond must indicate the individual's name and "doing business as" if applicable.

INSPECTORS:

Inspectors may be contacted M-F between the hours of 7:30 a.m.-9:00 a.m. and 3:30 p.m. to 4:00 p.m.

RICK SPITAELS - ELECTRICAL INSPECTOR
 ROBERT VEAL - HVAC INSPECTOR

City of South Bend/St. Joseph County Building Department
 125 South Lafayette Boulevard, Suite 100, South Bend, Indiana, 46601.
 574-235-9554
 574-235-5541 (Fax)

No. 000211-13

ELECTRIC LICENSE

\$ 100.00

ST. JOSEPH COUNTY AND CITY OF SOUTH BEND, INDIANA

November 30, 2012

WHEREAS, TODD HARTMAN, dba HARTMAN ELECTRIC, INC. having this day paid to the Building Department the sum of One Hundred Dollars and Zero Cents is hereby LICENSED to operate in the unincorporated areas of ST. JOSEPH COUNTY and the CITY OF SOUTH BEND, as a

Class "A" (Contractor);

THIS LICENSE EXPIRES: December 31, 2013


Charles C. Butler, Building Commissioner

(219)875-4397

THIS LICENSE IS NOT TRANSFERABLE

RECEIVED

MAY 13 2013

ST. JOSEPH COUNTY



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVE ARWOOD
DIRECTOR

August 22, 2013

E-13-54

TO: Members of the State Electrical Administrative Board
FROM: Dan O'Donnell, Chief, Electrical Division
SUBJECT: Master electrician examination application

APPLICANT REPRESENTATIVE:

Greg A. Van de Graaf

PROJECT:

N/A

AUTHORITY:

The Michigan Electrical Administrative Act, 1956 PA 217 of the Michigan Compiled Laws.

The Electrical Administrative Board General Rules

REQUEST:

Request to petition the Electrical Administrative Board to sit for the master electrician examination.

APPLICABLE RULE:

1956 PA 217 MCL, 338.883a Sec 3a. (c), MCL 338.883c Sec. 3c. (1) a,b,c,d,e, and Electrical Administrative Board General Rules, R338.1004a Rule 4a. (1), (a), (b), (2), 338.1006a Rule 6a. (1), (2)

FINDINGS:

Mr. Van de Graff submitted an application to the Electrical Division to sit for the master electrician examination. Mr. Van de Graff submitted notarized documentation that he attained 15000 hours of electrical experience from 2003 through 2010 under the

Providing for Michigan's Safety in the Built Environment

LARA is an equal opportunity employer
Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.
P.O. BOX 30254 • LANSING, MICHIGAN 48909
www.michigan.gov/bcc • Telephone (517) 241-9302 • Fax (517) 241-9570

supervision of a licensed electrical contractor and master electrician in the State of Washington. Mr. Van de Graff holds electrical master and contractor licenses in several states.

RECOMMENDATION:

In accordance with the acts and rules listed above staff concludes that Mr. Van de Graff meets the requirements to sit for the State of Michigan master electrician examination and recommends that the board approve his application.



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVE ARWOOD
DIRECTOR

Date Mailed from BCC:

8/6/2013

Greg A. Van de Graaf

Document E-13-54

Exam Applicant Review

NOTICE OF MICHIGAN ELECTRICAL ADMINISTRATIVE BOARD MEETING

You are hereby notified that in accordance with the Administrative Procedures Act, 1969 PA 306, MCL 24.201 *et seq.*, and the Electrical Administrative Act, being 1956 PA 217 MCL 338.881 *et seq.*, you are scheduled to appear before the Michigan Electrical Administrative Board on:

Date: August 22, 2013
Time: 9:30 a.m.
Location: Department of Licensing and Regulatory Affairs
Bureau of Construction Codes
2501 Woodlake Circle, Conference Room 3
Okemos, MI 48864

This notice is to provide you the opportunity to provide testimony to the board regarding your experience and eligibility to sit for the Master Electrician exam. If you wish to offer any document(s) into evidence, you must file the documentation with Electrical Division prior to the meeting or bring fifteen (15) copies of the information you wish to enter for the board's consideration. In the event you are unable to attend the meeting or you choose not to appear before the board, please contact the Electrical Division in advance of the meeting. In the event that you fail to appear at the meeting as scheduled, a decision may be entered in your absence.

Accompanying this notice is a report outlining our findings and recommendation based upon the Electrical Administrative Act being 1956 PA 217 MCL and the documentation you have provided at the time of mailing. Any questions regarding this matter may be directed to the Electrical Division at (517) 241-9320.


Dan O'Donnell, Chief, Electrical Division

8-6-2013

Date

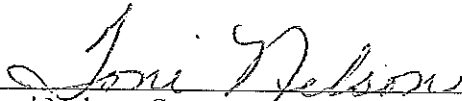
Providing for Michigan's Safety in the Built Environment

LARA is an equal opportunity employer
Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.
P.O. BOX 30254 • LANSING, MICHIGAN 48909
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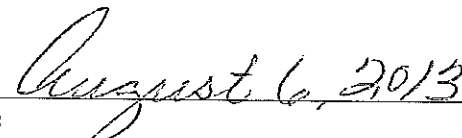
Exam Applicant Review
Greg A. Van de Graaf
Document No. E-13-54
August 22, 2013
Page 2 of 4

PROOF OF SERVICE


I hereby state, to the best of my knowledge, information, and belief, that a copy of the foregoing document was served on this date upon all parties and/or attorneys of record in this matter by email to those parties employed by the State of Michigan and by first class mail to the remaining parties at their respective addresses as disclosed below.



Toni Nelson, Secretary
Electrical Division
Bureau of Construction Codes



Date

Greg A. Van de Graaf


BCC Administration

Application for Master Electrician Examination
Michigan Department of Licensing and Regulatory Affairs
Bureau of Construction Codes / Electrical Division
P.O. Box 30255, Lansing, MI 48909
517-241-9320

103

www.michigan.gov/bcc

Agency Use Only

Examination Fee: \$100.00 (nonrefundable)

Authority: 1956 PA 217
Completion: Mandatory
Penalty: Examination will not be given

LARA is an equal opportunity employer/program. Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.

Instructions:

- See back of application for qualifications for examination.
- Complete and sign application. Type or print in ink.
- Application and fee must be received 20 business days prior to the examination date.
- Applicant must not be less than 22 years of age.
- Provide **original notarized** statements from current and past employers documenting required experience with this application. Statements must be on employers' letterhead stationery and include the dates and hours of employment (see qualifications on back of application) and names and license numbers of supervising master electricians. Be sure that all statements are **notarized**.
- Enclose a check made payable to the State of Michigan.
- Mail completed application, required documents, and payment to the address listed above.

Applicant Information

NAME (Last Name, First Name, Middle Initial) <i>Van de Graaf, Greg A.</i>		DATE OF BIRTH [REDACTED]	LAST 4 DIGITS OF SOCIAL SECURITY NUMBER* XXX-XX-[REDACTED]
ADDRESS [REDACTED]	CITY [REDACTED]	TOWNSHIP [REDACTED]	
COUNTY [REDACTED]	STATE [REDACTED]	ZIP CODE [REDACTED]	TELEPHONE NUMBER (Include Area Code) [REDACTED]
JOURNEYMAN LICENSE NUMBER <i>WASH:</i>	NUMBER OF YEARS JOURNEYMAN LICENSE HELD <i>25 yrs.</i>	LICENSING JURISDICTION [REDACTED]	

Have you previously taken this examination? ☐ Yes ☒ No

If examination was not administered by the State Electrical Division provide the licensing entity:

City of _____ Township of _____

Examination Site

Examinations are given at the sites listed below. Refer to the enclosed "Schedule of Electrical Board Meetings and Licensing Examinations" for examination dates. Please check below the site you wish to be examined at and indicate a preference of examination month. If approved for examination, an admission card will be mailed to you approximately 10 days prior to the examination date. If the examination you have selected is full, you will be scheduled for the next available examination at your preferred site.

Preferred Site

☒ Lansing

☐ Escanaba

Preferred Month

April

If you have a disability and require an accommodation to take the examination, please submit written documentation from a professional (education professional, doctor, psychologist, psychiatrist) to certify that your disabling condition requires the requested test accommodation. Forms are available from this office.

Certification and Signature

I certify the information is true and accurate to the best of my ability and I have the experience required for this examination. I further understand falsification of any statement is cause for rejection of this application or revocation of license, if issued. If granted a master's license, I swear I will not represent as master more than one person, firm, or corporation and if I resign as master I will notify the electrical administrative board within 10 business days.

APPLICANT'S SIGNATURE

[Signature]

DATE

3/28/13

*This information is confidential. Disclosure of confidential information is protected by the Federal Privacy Act.

Qualifications for Examination

To qualify for a master electrician license examination, a person shall meet the following criteria:

- (a) Provide an **original notarized** statement from present or past employers to demonstrate the attainment of 4,000 hours in not less than 2 years of practical experience under the supervision of a master electrician, subsequent to initial journeyman license issue date.
- (b) If the journeyman license was not issued by the board (department), provide a copy of the license that was issued by a municipality providing for licensing pursuant to the provisions of section 6 of the act or a statement from the licensing authority that verifies the license issue date shall be furnished.

Examination Eligibility of Applicants From Other States or Countries

A person who is licensed as a master electrician in another state or country may qualify for examination upon a determination by the board that the license was obtained by the person through substantially the same or equal requirements as those of the state of Michigan. Refer to information packet.

Information

Applicants are permitted one examination for the \$100.00 fee. Upon achieving a passing score of 75% or higher, the applicant will be billed \$50.00 for the master electrician license prior to issuance of the license.

A separate license is required for an electrical contractor.

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APR 26 2013

ELECTRICAL
DIVISION

Agency Use Only

Approved for Exam ☐ Yes ☐ No

Date of Exam	Score	Absent	Date of Exam	Score	Absent

Date Approved by EAB _____

Validation Area

████████████████████ 04/26/13
CAND: 17691 FEE: \$100.00
JOB: JOURNLE ELECTRIC TWO

Certified as provided by Law as:

Master Electrician
(ME01) - GENERAL

VANDEG*974L6

Eff Date: 6/18/2003

Exp Date: 9/22/2015

VANDEGRAAF, GREGORY A

[REDACTED]

Washington

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APR 22 2013

ELECTRICAL
DIVISION



Washington State Department of Labor & Industries

Contractors or Tradespeople Detail

[Return to List >](#) [Start a New Search >](#) [Printer friendly](#)

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ELECTRICAL
DIVISION

About Master Electrician

A person certified by L&I to perform electrical work while working for a licensed Electrical Contractor. Master Electricians also are responsible for ensuring that electrical laws are followed by the electrical contracting company they are assigned to. **A Master Electrician is not licensed and bonded as an Electrical Contractor.**

Business and Licensing Information

Name	VANDEGRAAF, GREGORY A	UBI No.	i
Phone No.		Status	i Active
Address		License No.	VANDEG*974L6
Suite/Apt.		License Type	i Master Electrician
City		Effective Date	6/18/2003
State		Expiration Date	9/22/2015
Zip		Suspend Date	i
County		Specialty 1	i General
		Specialty 2	i Unused

Other Associated Licenses

License	Name	Type	Specialty 1	Specialty 2	Effective Date	Expiration Date	Status
VANDEG*088CA	VANDEGRAAF, GREG	Electrical Administrator	Pump & Irrigation	Unused	2/1/1992	9/22/1993	Archived
VANDEG*141NO	VANDEGRAAF, GREGORY A	Electrical Trainee	Unused	Unused	8/18/1986	8/18/1987	Archived
VANDEG*077PB	VANDEGRAAF, GREG	Electrical Administrator	General	Unused	10/2/1993	9/22/2003	Superceded
VANDEG*121LD	VANDEGRAAF, GREGORY A	Electrician	Journeyman	Unused	6/4/1988	9/22/2003	Superceded

Electrical Contractor INFORMATION

License MIDVAEI009DO

Certified General Electrician

Valid: 05/10/2012 to 05/10/2015



GREGORY A. VAN DE GRAAF
No. 102659



State of California

Division of Apprenticeship Standards

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APR 08 2013

ELECTRICAL
DIVISION

Oregon



Building Codes Division

Issue Date: 09/03/2010

Expire Date: 10/01/2013

License No: 4590S

GENERAL SUPERVISING
ELECTRICIAN

VANDEGRAAF, GREG

[REDACTED]

[REDACTED]



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SEP 16 2010

ELECTRICAL
DIVISION

State of Idaho - Division of Building Safety
1090 E. Watertower Street Suite 150 Meridian ID 83642
(800) 955-3044
dbs.idaho.gov

GREG VAN DE GRAAF

Issued subject to the provisions of Idaho Code

C. Kelly Pearce
Administrator

C.L. "Butch" Otter
Governor

Type	Lic/Cert	Issued	Expires
ELE CONTRACTOR Van De Graaf Electric	ELE-C-23351	11/30/99	11/30/13
ELE MASTER GREG VAN DE GRAAF	ELE-M-23510	10/19/01	10/31/13

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APR 18 2013

ELECTRICAL
DIVISION



This is to Certify that
GREG VAN DE GRAAF
Is registered with the Wyoming Department
of Fire Prevention & Electrical Safety
and is hereby permitted to work as a
Master Electrician

Issue Date: 06/16/2008

License # M-19503

Expiration Date: 07/01/2014

Issued by: CJM

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APR 08 2013

ELECTRICAL
DIVISION

No. 1439

Effective: 12/13/2011

Expires: 12/31/2013

STATE OF ALASKA

DEPARTMENT OF COMMERCE, COMMUNITY & ECONOMIC DEVELOPMENT

Division of Corporations, Business and Professional Licensing
P.O. Box 110806, Juneau, Alaska 99811-0806

Certifies that

GREG VAN DE GRAAF

Is a Licensed

ELECTRICAL ADMINISTRATOR

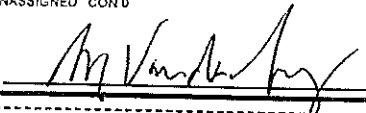
Categories: UCW

Assignment: UNASSIGNED CON 0

Commissioner: Susan K. Bell



Wallet Card

No. 1439		
State Of Alaska		
Department of Commerce, Community and Economic Development Division of Corporations, Business and Professional Licensing		
This Certifies That		
GREG VAN DE GRAAF		
Is a Licensed		
ELECTRICAL ADMINISTRATOR		
Effective 12/13/2011	Expiration 12/31/2013	Date of Birth 09/22/1965
Categories UCW		
Assignment: UNASSIGNED CON 0		
Signature 		

It is your responsibility to keep the Division informed of your current address. You must notify the Division in writing when there is a change.

If you wish to change your company affiliation, please contact the Division to request the appropriate form or you may download it from the website.

Administrator licenses and Mechanical Contractor Licenses expire December 31 of odd numbered years.

You may access additional information through the Division web site: www.commerce.state.ak.us/occ.

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SEP 28 2013

ELECTRICAL
DIVISION

State of Montana
Business Standards Division
State Electrical Board

This certificate verifies licensure as:
MASTER ELECTRICIAN

License #: **ELE-EM-LIC-6650**

Status: **Active**

Expiration Date: **7/15/2014**

STATE OF MONTANA
Department of Labor and Industry
State Electrical Board

GREG VAN DE GRAAF
License #: ELE-EM-LIC-6650 Active
Expires: 7/15/2014
Type: Master Electrician

GREG VAN DE GRAAF
[REDACTED]
[REDACTED]

PRINT YOUR LICENSE AT
ebiz.mt.gov/pol

To use license as a Wall License, cut off excess paper and affix the above to wall for display.

Remember to renew online if possible. Benefits of renewing online include:

The ability to change an address (for most professions)

The ability to print license(s) the same day as the renewal

The ability to print additional licenses for no additional charge up to 45 days following the end of the renewal cycle

To verify licenses or renew online: <https://ebiz.mt.gov/pol>

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APR 18 2013

ELECTRICAL
DIVISION

We look forward to serving you in the future.

Thank you
PSI

PSI

New Mexico Construction Licensing Services
2301 Yale Blvd. S.E., STE C-4
Albuquerque, NM 87106
(877) 663-9267
public.psiexams.com

STATE OF NEW MEXICO
CONSTRUCTION INDUSTRIES DIVISION

AFL NETWORK SERVICES, INC

LICENSE NUMBER

358100

Qualifying Party(S)
VAN DE GRAAF GREG

EXPIRES

08/31/2014

CLASSIFICATION(S)
ECS

STATE OF NEW MEXICO
CONSTRUCTION INDUSTRIES DIVISION

AFL NETWORK SERVICES, INC

LICENSE NUMBER

358100

Qualifying Party(S)
VAN DE GRAAF GREG

EXPIRES

08/31/2014

CLASSIFICATION(S)
ECS

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APR 16 2013

ELECTRICAL
DIVISION



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVE ARWOOD
DIRECTOR

April 12, 2013

Greg Van de Graaf
[REDACTED]
[REDACTED]

Dear Mr. Van de Graaf :

Your application for the May 2013 master electrical examination has been received by our office. In accordance with 1956 PA 217 MCL section 338.883a and the Electrical Administrative Board General Rule R338.1006a, out of state work experience has to be reviewed by the Electrical Administrative Board.

For the board to properly review your application please provide the following information:

A person who is licensed as a master or journeyman electrician in another state or country may qualify for examination upon a determination by the board that the license was obtained by the person through substantially the same or equal requirements as those of the state of Michigan.

1. Provide a copy of your current journey or master license and the licensing requirements for the city, township, village, county, state, or country that issued your current electrical license.
2. Provide copies of the electrical contractor's license that provided your employment and the qualifying master electrician's license for verification. Also documentation stating how long the contractor and master have been licensed.
3. A copy of the licensing requirements for the city, township, village, county, state or country that issued the license for the master electrician that supervised you.
4. A copy of the license requirements for the city, township, village, county, state or country that issued the license for the contractor who provided your employment.

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5. Letter(s) of documentation of 12000 hours over a period of not less than six years, (with a minimum of 4000 hours and 2 years as a licensed journeyman) under the supervision of a licensed master electrician, signed by the master or contractor of record for the company and notarized. Letter must show the beginning and ending dates (month, day, year) of employment and total number of hours worked.

Please provide our office with the additional information or if you do not wish to have your exam application presented to the Electrical Administrative Board, please send us a letter requesting your application be removed from the board meeting. Return a copy of this letter along with additional information to LARA, Electrical Division, PO Box 30254, Lansing MI 48909.

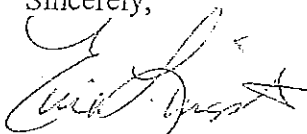
You will need to submit any additional information or letters to our office by April 30, 2013.

If all the additional information requested is received and your application is complete, then your application will be presented to the Electrical Administrative Board on May 23, 2013. You will receive a notice of hearing 10 days prior to the board meeting.

If you are unable to provide the additional information or do not wish to have your application presented to the Electrical Administrative Board, you will be ineligible for the examination and any fees paid will be forfeited as outlined in Rule 338.1002a of the General Electrical Administrative Board Rules.

Please contact the Electrical Division at 517-241-9320 if you have any questions.

Sincerely,

A handwritten signature in dark ink, appearing to read "Evie Livingston", with a stylized flourish at the end.

Evie Livingston, Departmental Technician
Electrical Division

KINTER ELECTRIC

PO BOX 1058
SUNNYSIDE, WA 98944


May 8, 2013

State of Michigan
Department of Licensing and Regulatory Affairs
PO Box 30254
Lansing, Michigan 48909

To the Electrical Administrative Board,

Greg Van de Graaf was employed with Kinter Electric from October 2003 through December 2010, as a Master Electrician supervising installations, and a crew of journeyman electricians, permits and inspections, in addition to bidding jobs. His total amount of hours for this time period exceeds 15,000 hours.

KINTER ELECTRIC, INC



Greg Kinter, President

STATE OF WASHINGTON
COUNTY OF YAKIMA

On this 8th day of May 2013, before me came the above-named officer of Kinter Electric, Inc. To me personally known to be the officer described herein, and acknowledged that the signature of the officer were duly affixed and subscribed to said instrument by the authority and direction of said corporation.



Caitlin N. Minter
NOTARY SIGNATURE

Yakima, Washington
NOTARY RESIDING AT

RECEIVED

MAY 14 2013
ELECTRICAL
DIVISION

ELECTRICAL
DIVISION

MAY 11 2013

RECEIVED

CERTIFIED AS PROVIDED BY LAW AS
MASTER ELEC. GENERAL
CERT. #
ME01 KINTEGA964LQ 6/11/2013
EFFECTIVE DATE 6/18/2004

KINTER, GREG ALLEN

ISSUED BY DEPARTMENT OF LABOR AND INDUSTRIES

INTERNATIONAL BROTHERHOOD OF
ELECTRICAL WORKERS, AFL-CIO

Local Union No. 112

2637 West Albany Street, Kennewick, Washington

Name Greg A. Van de Graaf

Card No. D978141 Initiated 10-4-96

This is to certify that the above named member passed the
Journeyman-Wireman Examination given by Local Union 112,
IBEW, on February 22, 1997

He is a member in good standing when supported by an of-
ficial current dues receipt.

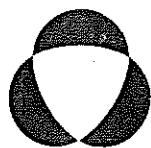


David M. Smith
BUSINESS MANAGER-FINANCIAL SECRETARY

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W-112

ELECTRICAL
DIVISION



Washington State Department of
Labor & Industries

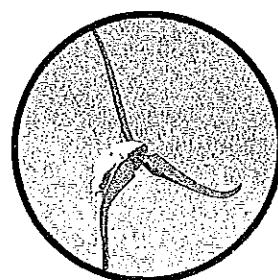
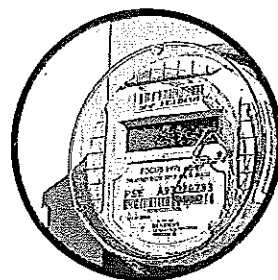
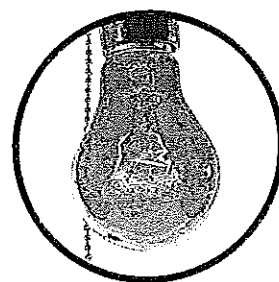
Electrical Program

Electricians and Electrical Installations

State of Washington

Chapter 19.28 RCW

Effective July 26, 2009



F500-039-111
Printed 12-2009

 On the Web: www.ElectricalProgram.Lni.wa.gov

- (a) Directly supervise and instruct the noncertified individuals and the certified electrician may not directly make or engage in an electrical installation; and
- (b) Be on the same job site as the noncertified individual for a minimum of one hundred percent of each working day.
- (6) The electrical contractor shall accurately verify and attest to the electrical trainee hours worked by electrical trainees on behalf of the electrical contractor.

RCW 19.28.171 Electrical trainee hours -- Audit -- Rules -- Confidentiality.

The department may audit the records of an electrical contractor that has verified the hours of experience submitted by an electrical trainee to the department under RCW 19.28.161(2) in the following circumstances: Excessive hours were reported; hours reported outside the normal course of the contractor's business; the type of hours reported do not reasonably match the type of permits purchased; or for other similar circumstances in which the department demonstrates a likelihood of excessive hours being reported. The department shall limit the audit to records necessary to verify hours. The department shall adopt rules implementing audit procedures. Information obtained from an electrical contractor under the provisions of this section is confidential and is not open to public inspection under chapter 42.17 RCW.

RCW 19.28.181 Application for certificate of competency.

Any person desiring to be issued a certificate of competency as provided in this chapter shall deliver evidence in a form prescribed by the department affirming that said person has met the qualifications required under RCW 19.28.191. An electrician from another jurisdiction applying for a certificate of competency must provide evidence in a form prescribed by the department affirming that the person has the equivalent qualifications to those required under RCW 19.28.191.

RCW 19.28.191 Certificate of competency -- Eligibility for examination -- Rules.

- (1) Upon receipt of the application, the department shall review the application and determine whether the applicant is eligible to take an examination for the master journeyman electrician, journeyman electrician, master specialty electrician, or specialty electrician certificate of competency.
 - (a) Before July 1, 2005, an applicant who possesses a valid journeyman electrician certificate of competency in effect for the previous four years and a valid general administrator's certificate may apply for a master journeyman electrician certificate of competency without examination.
 - (b) Before July 1, 2005, an applicant who possesses a valid specialty electrician certificate of competency, in the specialty applied for, for the previous two years and a valid specialty administrator's certificate, in the specialty applied for, may apply for a master specialty electrician certificate of competency without examination.
 - (c) Before December 1, 2003, the following persons may obtain an equipment repair specialty electrician certificate of competency without examination:
 - (i) A person who has successfully completed an apprenticeship program approved under chapter 49.04 RCW for the machinist trade; and
 - (ii) A person who provides evidence in a form prescribed by the department affirming that:
 - (A) He or she was employed as of April 1, 2003, by a factory-authorized equipment dealer or service company; and
 - (B) he or she has worked in equipment repair for a minimum of four thousand hours.
 - (d) To be eligible to take the examination for a master journeyman electrician certificate of competency the applicant must have possessed a valid journeyman electrician certificate of competency for four years.
 - (e) To be eligible to take the examination for a master specialty electrician certificate of competency the applicant must have possessed a valid specialty electrician certificate of competency, in the specialty applied for, for two years.
 - (f) To be eligible to take the examination for a journeyman certificate of competency the applicant must have:
 - (i) Worked in the electrical construction trade for a minimum of eight thousand hours, of which four thousand hours shall be in industrial or commercial electrical installation under the supervision of a master journeyman electrician or journeyman electrician and not more than a total of four thousand hours in all specialties under the supervision of a master journeyman electrician, journeyman electrician, master specialty electrician working in that electrician's specialty, or specialty electrician working in that electrician's specialty. Specialty electricians with less than a four thousand hour work experience requirement cannot credit the time required to obtain that specialty towards qualifying to become a journeyman electrician; or
 - (ii) Successfully completed an apprenticeship program approved under chapter 49.04 RCW for the electrical construction trade.
 - (g) To be eligible to take the examination for a specialty electrician certificate of competency the applicant must have:
 - (i) Worked in the residential (as specified in WAC 296-46B-920(2)(a)), pump and irrigation (as specified in WAC 296-46B-920(2)(b)), sign (as specified in WAC 296-46B-920(2)(d)), limited energy (as specified in WAC 296-46B-920(2)(e)), nonresidential maintenance (as specified in WAC 296-46A-920(2)(g)), or other new nonresidential specialties as determined by the department in rule under the supervision of a master journeyman electrician, journeyman electrician, master specialty electrician working in that electrician's specialty, or specialty electrician working in that electrician's specialty for a minimum of four



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVE ARWOOD
DIRECTOR

August 22, 2013

E-13-55

TO: Members of the State Electrical Administrative Board

FROM: Dan O'Donnell, Chief, Electrical Division

SUBJECT: Master electrician examination application

APPLICANT REPRESENTATIVE:

Angel M. Martinez

PROJECT:

N/A

AUTHORITY:

The Michigan Electrical Administrative Act, 1956 PA 217 of the Michigan Compiled Laws.

The Electrical Administrative Board General Rules

REQUEST:

Request to petition the Electrical Administrative Board to sit for the master electrician examination.

APPLICABLE RULE:

1956 PA 217 MCL, 338.883a Sec 3a. (c), MCL 338.883c Sec. 3c. (1) a,b,c,d,e, and Electrical Administrative Board General Rules, R338.1004a Rule 4a. (1), (a), (b), (2), 338.1006a Rule 6a. (1), (2)

FINDINGS:

Mr. Martinez submitted an application to sit for the master electrician examination. Mr. Martinez included information with his application that indicates he is licensed as a master electrician and electrical contractor in several states. Mr. Martinez's information

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indicates that he has over twenty years of electrical experience and that he has attained a minimum of 4000 hours over a period of not less than two years subsequent to his journey electrician licensure.

RECOMMENDATION:

In accordance with the acts and rules listed above staff concludes that Mr. Martinez meets the requirements to sit for the State of Michigan master electrician examination and recommends that the board approve his application.



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVE ARWOOD
DIRECTOR

Date Mailed from BCC: 8/6/2013

Angel M. Martinez
[REDACTED]
[REDACTED]
[REDACTED]

Document E-13-55
Exam Applicant Review

NOTICE OF MICHIGAN ELECTRICAL ADMINISTRATIVE BOARD MEETING

You are hereby notified that in accordance with the Administrative Procedures Act, 1969 PA 306, MCL 24.201 *et seq.*, and the Electrical Administrative Act, being 1956 PA 217 MCL 338.881 *et seq.*, you are scheduled to appear before the Michigan Electrical Administrative Board on:

Date: August 22, 2013
Time: 9:30 a.m.
Location: Department of Licensing and Regulatory Affairs
Bureau of Construction Codes
2501 Woodlake Circle, Conference Room 3
Okemos, MI 48864

This notice is to provide you the opportunity to provide testimony to the board regarding your experience and eligibility to sit for the Master Electrician exam. If you wish to offer any document(s) into evidence, you must file the documentation with Electrical Division prior to the meeting or bring fifteen (15) copies of the information you wish to enter for the board's consideration. In the event you are unable to attend the meeting or you choose not to appear before the board, please contact the Electrical Division in advance of the meeting. In the event that you fail to appear at the meeting as scheduled, a decision may be entered in your absence.

Accompanying this notice is a report outlining our findings and recommendation based upon the Electrical Administrative Act being 1956 PA 217 MCL and the documentation you have provided at the time of mailing. Any questions regarding this matter may be directed to the Electrical Division at (517) 241-9320.


Dan O'Donnell, Chief, Electrical Division

8-6-2013
Date

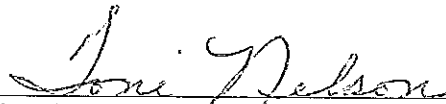
Providing for Michigan's Safety in the Built Environment

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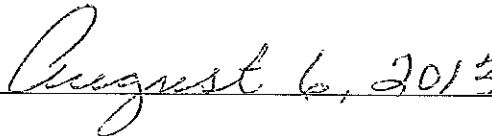
Exam Applicant Review
Angel M. Martinez
Document No. E-13-55
August 22, 2013
Page 2 of 4

PROOF OF SERVICE

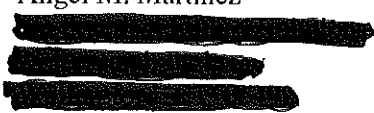
I hereby state, to the best of my knowledge, information, and belief, that a copy of the foregoing document was served on this date upon all parties and/or attorneys of record in this matter by email to those parties employed by the State of Michigan and by first class mail to the remaining parties at their respective addresses as disclosed below.



Toni Nelson, Secretary
Electrical Division
Bureau of Construction Codes



Date

Angel M. Martinez


BCC Administration

Application for Master Electrician Examination
Michigan Department of Licensing and Regulatory Affairs
Bureau of Construction Codes / Electrical Division
P.O. Box 30255, Lansing, MI 48909
517-241-9320
www.michigan.gov/bcc

103

Agency Use Only

Examination Fee: \$100.00 (nonrefundable)

Authority: 1956 PA 217 Completion: Mandatory Penalty: Examination will not be given	LARA is an equal opportunity employer/program. Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.
-------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Instructions:

- See back of application for qualifications for examination.
- Complete and sign application. Type or print in ink.
- Application and fee must be received 20 business days prior to the examination date.
- Applicant must not be less than 22 years of age.
- Provide *original notarized* statements from current and past employers documenting required experience with this application. Statements must be on employers' letterhead stationery and include the dates and hours of employment (see qualifications on back of application) and names and license numbers of supervising master electricians. Be sure that all statements are *notarized*.
- Enclose a check made payable to the State of Michigan.
- Mail completed application, required documents, and payment to the address listed above.

Applicant Information

NAME (Last Name, First Name, Middle Initial) Martinez, Angel M.		DATE OF BIRTH [REDACTED]	LAST 4 DIGITS OF SOCIAL SECURITY NUMBER* XXX-XX-[REDACTED]
ADDRESS c/o Practical Energy Solutions [REDACTED]	CITY [REDACTED]	TOWNSHIP [REDACTED]	
COUNTY [REDACTED]	STATE [REDACTED]	ZIP CODE [REDACTED]	TELEPHONE NUMBER (Include Area Code) [REDACTED]
JOURNEYMAN LICENSE NUMBER	NUMBER OF YEARS JOURNEYMAN LICENSE HELD	LICENSING JURISDICTION	

Have you previously taken this examination? ☐ Yes ☒ No

If examination was not administered by the State Electrical Division provide the licensing entity:

City of _____ Township of _____

Examination Site


Examinations are given at the sites listed below. Refer to the enclosed "Schedule of Electrical Board Meetings and Licensing Examinations" for examination dates. Please check below the site you wish to be examined at and indicate a preference of examination month. If approved for examination, an admission card will be mailed to you approximately 10 days prior to the examination date. If the examination you have selected is full, you will be scheduled for the next available examination at your preferred site.

<u>Preferred Site</u>	<u>Preferred Month</u>
<input checked="" type="checkbox"/> Lansing	<u>8/29/13</u>
<input type="checkbox"/> Escanaba	_____

If you have a disability and require an accommodation to take the examination, please submit written documentation from a professional (education professional, doctor, psychologist, psychiatrist) to certify that your disabling condition requires the requested test accommodation. Forms are available from this office.

Certification and Signature

I certify the information is true and accurate to the best of my ability and I have the experience required for this examination. I further understand falsification of any statement is cause for rejection of this application or revocation of license, if issued. If granted a master's license, I swear I will not represent as master more than one person, firm, or corporation and if I resign as master I will notify the electrical administrative board within 10 business days.

APPLICANT'S SIGNATURE 	DATE 8/29/13
--------------------------------------------------------------------------------------------------------------	-----------------

*This information is confidential. Disclosure of confidential information is protected by the Federal Privacy Act.

Qualifications for Examination

To qualify for a master electrician license examination, a person shall meet the following criteria:

- (a) Provide an *original notarized* statement from present or past employers to demonstrate the attainment of 4,000 hours in not less than 2 years of practical experience under the supervision of a master electrician, subsequent to initial journeyman license issue date.
- (b) If the journeyman license was not issued by the board (department), provide a copy of the license that was issued by a municipality providing for licensing pursuant to the provisions of section 6 of the act or a statement from the licensing authority that verifies the license issue date shall be furnished.

Examination Eligibility of Applicants From Other States or Countries

A person who is licensed as a master electrician in another state or country may qualify for examination upon a determination by the board that the license was obtained by the person through substantially the same or equal requirements as those of the state of Michigan. Refer to information packet.

Information

Applicants are permitted one examination for the \$100.00 fee. Upon achieving a passing score of 75% or higher, the applicant will be billed \$50.00 for the master electrician license prior to issuance of the license.

A separate license is required for an electrical contractor.

Agency Use Only

Approved for Exam ☐ Yes ☐ No

Date of Exam	Score	Absent	Date of Exam	Score	Absent

Date Approved by EAB _____

Validation Area

07/19/13
0001 1350 2401 \$100.00
000 PRACTICAL ENERGY SOLUTIONS INC

ANGEL M. MARTINEZ

WORK EXPERIENCE

01/2010-Present
(5,500 Hours)

Practical Energy Solutions

Wallingford, CT

Vice President, Construction Operations

- Attend client preconstruction meetings and oversee all construction activities, including field operations, quality control, safety plan, and compliance in the field.
- Working as a Journeyman/Manager with or without tools on the installation, alteration and repair of wiring and appliances for light, heat and power in or on buildings or comparable facilities.
- Working on commercial types of installations like public and private school systems, office building, hospitals, manufacturing, nursing homes installing energy conservation devices, equipment and controls for a "GREENER TOMORROW"

10/2007-1/2011
(500 Hours)

Candela Systems Inc.

Somers, NY

- Working as a Journeyman electrician with tools on the installation, alteration and repair of wiring and appliances for light, heat and power in or on buildings or comparable facilities.
- Working on commercial types of installations like Wal-Mart, Home Depot, Lowes, Stop & Shop, Target, Medical facilities and Kohl's, etc. from the ground up. Did all phases of the electrical installs, from the service to the branch circuits, data, communications, HVAC power and controls, EMS systems, refrigeration's controls, outdoor signs and lighting, parking lot pole lights.

01/2005-01/2010
(10,500 Hours)

R.S. Services, Inc./Host America/Enerlume Energy Management

Hamden, CT

- Worked as a Journeyman/Supervisor/Manager electrician with tools on the installation, alteration and repair of wiring and appliances for light, heat and power in or on buildings or comparable facilities.
- Worked on commercial types of installations like Wal-Mart, Home Depot, Medical facilities, Lowes, Stop & Shop, Target, Kohl's, etc. from the ground up. Did all phases of the electrical installs, from the service to the branch circuits, data, communication's, HVAC power and controls, EMS systems, refrigeration's controls, outdoor signs and lighting, parking lot pole lights. Installed company manufactured and owned energy conservation devices.

06/2000-05/2004
(2,832 Hours)

New England Technical School
New Britain, CT

- Worked as an Electrical instructor, teaching students electrical installation practices for commercial type installations. This was performed by hands-on training as well as classroom NEC code training.

08/1996-01/2005
(18,000 Hours)

Professional Electrical Contractors of CT
Norwood, MA

- Worked as a Journeyman/Supervisor electrician working with tools on the installation, alteration and repair of wiring and appliances for light, heat and power in or on buildings or comparable facilities.
- Worked on commercial types of installations like Wal-Mart, Home Depot, Lowes, Stop & Shop, Target, Kohl's, etc. from the ground up. Did all phases of the electrical installs, from the service to the branch circuits, data, communications, HVAC power and controls, EMS systems, refrigeration's controls, outdoor signs and lighting, parking lot pole lights.

06/1991-08/1996
(11,000 Hours)

Heaven Industrial Electric Inc.
Brooklyn, NY

- Worked as a Journeyman/Supervisor/Manager electrician working with tools on the installation, alteration and repair of wiring and appliances for light, heat and power in or on buildings or comparable facilities.
- Worked on residential, commercial, industrial type of installation. Installed and repaired branch circuits, services 100amps to 1600amps, power and controls for HVAC and refrigeration equipment, data communications, CATV etc.

EDUCATION:

09/1979-06/1982

George Westinghouse Vocational & Technical High School
105 Johnson Street
Brooklyn, NY 11201-2915

- Full time student majoring in Electrical Installation and Practice.
- Graduated with 4 year diploma and Certificate in major.

RECEIVED

**ELECTRICAL
LICENSES:**

Please see attached

RECEIVED

ELECTRICAL
DIVISION

STATE ELECTRICAL LICENSES
FOR
ANGEL MARTINEZ

State of Alaska

License No.: 37848/EAD 1881
Type: Specialty Contractor
Type: Electrical Administrator
Expiration Date: 12/31/13
Issue Date: 2/23/12 by Reciprocity

State of Arizona

License No.: 267412
Type: L-11
Expiration Date: 10/31/14
Issue Date: 10/04/10 by Exam

State of Colorado

License No.: ME-30439
Type: Master Electrician
Expiration Date: 09/30/14
Issue Date: 12/21/10 by Exam

State of Connecticut

License No.: ELC 0183498-E1
Type: Electrical Unlimited Contractor
Expiration Date: 09/30/13
Effective Date: 10/02/09
Issue Date: 06/1998 by Exam

State of Connecticut Department of Public Safety

License No.: EI-007-2001
Type: Electrical Inspector
Expiration Date: N/A
Issue Date: 8/16/01 by Exam

State of Delaware

License No.: T1-0005897
Type: Master Electrician
Expiration Date: 06/30/14
Issue Date: 08/10/12 by Reciprocity

State of Hawaii

License No.: ES-10108
Type: Supervising Electrician
Expiration Date: 06/30/14
Issue Date: 06/10/10 by Exam

State of Illinois – City of Chicago

License No.: ECC94624
Type: Supervising Electrician
Expiration Date: 12/04/13
Issue Date: 12/04/12 by Exam

State of Indiana – City of Crown Point

License No.: 9074009950
Type: Electrical Contractor
Expiration Date: 12/31/13
Issue Date: 09/27/12 by Exam

State of Iowa

License No.: EL-0019983-MA
Type: Master Class A
Expiration Date: 12/31/13
Issue Date: 02/01/11 by Exam

State of Kentucky

License No.: CE64307; ME64170
Type: Contractor; Master Electrician
Expiration Date: 9/30/13
Issue Date: 5/2011 by Reciprocity

State of Louisiana

License No.: 57199
Type: Electrical Contractor
Expiration Date: 08/21/13
Issue Date: 8/21/12 by Exam

State of Maine

License No.: JY40091272
Type: Journeyman Electrician
Expiration Date: 08/31/14
Issue Date: 08/27/10 by Reciprocity

State of Massachusetts

License No.: 51231
Type: Class E Journeyman Electrician
Expiration Date: 07/31/13
Issue Date: 02/24/03 by Exam

State of Minnesota

License No.: EA649601/AM648298
Type: Electrical Contractor/Master A Electrician
Expiration Date: 02/28/15
Issue Date: 04/23/12 by Reciprocity

State of Mississippi

License No.: 19325-MC
Type: Master Electrician
Expiration Date: 01/09/14
Issue Date: 02/01/12 by Exam

State of Nebraska

License No.: 20111
Type: Electrical Contractor
Expiration Date: 12/30/14
Issue Date: 06/29/10 by Exam

State of New Hampshire

License No.: 12417 J
Type: Journeyman Electrician
Expiration Date: 9/30/14
Issue Date: 10/15/03 by Reciprocity

State of New Jersey

License No.: 34EI01692100
Type: Electrical Contractor
Expiration Date: 03/31/15
Issue Date: 10/06/10 by Exam

State of New York – New York City

License No.: A010935
Type: Master Electrician
Expiration Date: 9/11/13
Issue Date: 06/28/91 by Exam

State of New York - Suffolk County

License No.: 51497-ME
Type: Master Electrician
Expiration Date: 04/01/15
Issue Date: 04/16/13 by Exam

State of New York - Westchester County

License No.: 1600
Type: Master Electrician
Expiration Date: 12/31/13
Issue Date: 06/16/11 by Exam

State of Ohio

License No.: EL46291
Type: Electrical Contractor
Expiration Date: 01/12/14
Issue Date: 12/22/10 by Exam

State of Oklahoma

License No.: 00144201
Type: Electrical Contractor
Expiration Date: 09/30/13
Issue Date: 08/01/12 by Exam

State of Pennsylvania – City of Philadelphia

License No.: 3516
Type: Electrical Contractor
Expiration Date: 06/30/13
Issue Date: 07/06/12 by Exam

State of Rhode Island

License No.:	A-004665	B-012445
Type:	Master/Contractors	Journeyman Electrician
Expiration Date:	09/30/13	09/30/13
Issue Date:	03/24/10 by Exam	

State of South Carolina

License No.: M111981
Type: Mechanical Contractor
Expiration: 10/31/13
Issue Date: 12/13/11 by Reciprocity

State of Tennessee

License No.: 00064882
Type: Electrical Contractor
Expiration: 07/31/13
Issue Date: 07/31/11 by Exam

State of Washington

License No.: EL01 MARTIAM903DE
Type: Journeyman Electrician
Expiration Date: 09/11/15
Issue Date: 03/30/10 by Exam

State of Wyoming

License No.: M-25628
Type: Master Electrician
Expiration Date: 07/01/13
Issue Date: 02/08/11 by Exam

Other Electrical Licenses Held:

Colorado – Pikes Peak (issued 2011; expires 8/31/13)
Louisiana - City of New Orleans (issued 3/20/13; expires 9/11/13)
Louisiana - Jefferson Parish (issued 3/21/13; expires 12/31/13)
New York – Village of Fredonia (issued 2012; expires 12/31/13)
New York – Town of Tonawanda (issued 2012; expires 12/31/13)
New York – Town of Pendleton (issued 7/16/12; expires 12/31/13)
Oregon – Construction Contractors Board License (issued 8/22/12; expires 8/22/14)



July 25, 2013

VIA Email (livingstone@michigan.gov)

Ms. Evie Livingston
LARA/BCC/Electrical Division
7150 Harris Drive
Lansing, MI 48909

RE: Angel M. Martinez – Application for Michigan Master's Electrician Exam

Dear Ms. Nelson:

Angel M. Martinez has been employed by Practical Energy Solutions since January 18, 2010 through the Present. Mr. Martinez's has worked at total of 5,500 hours.

Mr. Martinez's experience with PES includes both commercial and industrial wiring working as a Journeyman/Manager electrician working with or without tools on the installation, alteration and repair of appliances and other structures for light, heat and power in or on buildings.

Mr. Martinez's experience includes the installation of feeders, panels, branch circuits, generators, conduits, contactors as well as installation of lighting upgrades and lighting controls for commercial facility types such as school systems, universities and colleges, hospitals, federal and state municipalities, and manufacturing facilities.

Should you need any additional information, please feel free to contact me.

Sincerely,

Leslie J. Dinallo
CT License Number: ELC.0186858-E1
LJD:td
Enclosures

RECEIVED

JUL 26 2013

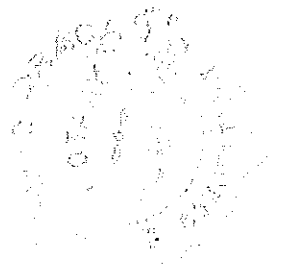
ELECTRICAL
DIVISION

STATE OF CONNECTICUT)
) ss. Wallingford
COUNTY OF NEW HAVEN)

On this the 25th day of July, 2013, before me, the undersigned officer, personally appeared **LESLIE J. DINALLO**, known to me and acknowledged that he executed the same for the purposes therein contained.

In witness whereof I hereunto set my hand and seal.

Patricia Dragan
My Commission Expires: 7-31-14



PRACTICAL ENERGY SOLUTIONS
2a Research Parkway • Wallingford, CT 06492
1.877.276.1312 T : 203.284.1750 • F : 203.949.1249 • PES controls.com

STATE OF CONNECTICUT
DEPARTMENT OF CONSUMER PROTECTION
165 Capitol Avenue < Hartford Connecticut 06106
An Important Advisory Regarding Renewals of Electrical Licenses

Electrical license holders must obtain continuing education hours of instruction to renew their licenses. This requirement is mandatory in order for you to properly maintain your license. A license holder who has passed an exam between October 1, 2011 - September 30, 2012 is exempt from the continuing education requirement for the year 2012.

To obtain further information and a list of all continuing education providers, please log on to the Department of Consumer Protection's Web Site at www.ct.gov/dcp or contact the Occupational & Professional Trades Division at (860) 713-6135 or email dcp.occupationalprofessional@ct.gov.

LESLIE J DINALLO
[REDACTED]
[REDACTED]

STATE OF CONNECTICUT
DEPARTMENT OF CONSUMER PROTECTION
ELECTRICAL UNLIMITED CONTRACTOR

LESLIE J DINALLO
[REDACTED]
[REDACTED]

LIC. / REG NO. ELC.0186858-E1	EFFECTIVE 10/01/2012	EXPIRES 09/30/2013
----------------------------------	-------------------------	-----------------------

SIGNED [Signature]

STATE OF CONNECTICUT < DEPARTMENT OF CONSUMER PROTECTION

Be it known that

LESLIE J DINALLO
[REDACTED]
[REDACTED]

has been certified by the Department of Consumer Protection as a licensed

ELECTRICAL UNLIMITED CONTRACTOR

License #ELC.0186858-E1

Effective: 10/01/2012

Expiration: 09/30/2013

[Signature]
William M. Rubenstein, Commissioner

STATE OF CONNECTICUT
DEPARTMENT OF CONSUMER PROTECTION

165 Capitol Avenue < Hartford Connecticut 06106

An Important Advisory Regarding Renewals of Electrical Licenses

Electrical license holders must obtain continuing education hours of instruction to renew their licenses. This requirement is mandatory in order for you to properly maintain your license. A license holder who has passed an exam between October 1, 2011 - September 30, 2012 is exempt from the continuing education requirement for the year 2012.

To obtain further information and a list of all continuing education providers, please log on to the Department of Consumer Protection's Web Site at www.ct.gov/dcp or contact the Occupational & Professional Trades Division at (860) 713-6135 or email dcp.occupationalprofessional@ct.gov.

ANGEL MARTINEZ
[REDACTED]
[REDACTED]

STATE OF CONNECTICUT

DEPARTMENT OF CONSUMER PROTECTION

ELECTRICAL UNLIMITED CONTRACTOR

ANGEL MARTINEZ
[REDACTED]
[REDACTED]

LIC. / REG NO.
ELC.0183498-E1

EFFECTIVE
10/01/2012

EXPIRES
09/30/2013

SIGNED

STATE OF CONNECTICUT < DEPARTMENT OF CONSUMER PROTECTION

Be it known that

ANGEL MARTINEZ
[REDACTED]
[REDACTED]

has been certified by the Department of Consumer Protection as a licensed

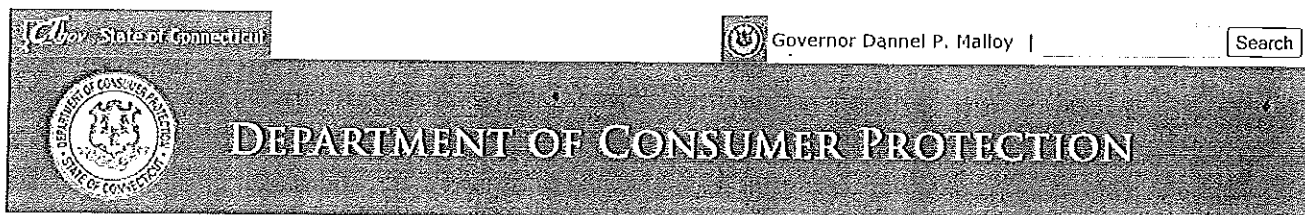
ELECTRICAL UNLIMITED CONTRACTOR

License # ELC.0183498-E1

Effective: 10/01/2012

Expiration: 09/30/2013


William M. Rubenstein, Commissioner



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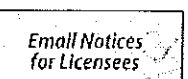
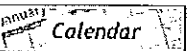
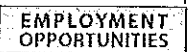
LAWS & REGULATIONS

BOARDS & COMMISSIONS



William M.
Rubenstein
Commissioner

Awareness & Prevention
Complaint Center
Online Services
Useful Links



To Reach Us:

Within Hartford Area
and Outside Connecticut
860-713-6100

Elsewhere in Connecticut
800-842-2649

Hours, Location & Directions

Electrical License Types and Scope of Work

C-5 LIMITED ELECTRICAL CONTRACTOR

The holder of this license may perform only work limited to low voltage, alarm or signal work, audio and sound systems, and telephone-interconnect. The voltage of any system is not to exceed forty-eight (48) volts or eight (8) amperes where such work commences at an outlet receptacle or connection previously installed by a person holding the proper electrical license. The requirements to qualify for this license examination shall be two (2) years as a properly licensed journeyman or at least six (6) years of equivalent experience and training.

C-6 LIMITED ELECTRICAL JOURNEYPERSON

The holder of this license may perform only work as defined for C-5 category and only while in the employ of a licensed electrical contractor. The requirements to qualify for this license exam shall be the completion of a registered apprenticeship program or at least four (4) years of equivalent experience and training.

E-1 UNLIMITED ELECTRICAL CONTRACTOR

The holder of this license shall be permitted to do all electrical work as defined in section 20-330 of the general statutes. The requirements to qualify for this license exam shall be two (2) years as a unlimited licensed journeyman or at least six (6) years of equivalent experience and training.

E-2 UNLIMITED ELECTRICAL JOURNEYPERSON

The holder of this license shall be permitted to do all electrical work as defined in section 20-330 of the Connecticut General Statutes, and only while in the employment of a properly licensed contractor. The requirement to qualify for this license exam shall be the completion of a registered apprenticeship program or at least four (4) years of equivalent experience and training.

L-1 ELECTRICAL LINES CONTRACTOR

The holder of this license may perform only work limited to line construction, including distribution systems, and their allied work, for public and private companies; installation, maintenance and repair of all high-voltage cable splicing and pulling wire for all systems in excess of 2,400 volts; traffic signal and highway lighting installation, maintenance and repair. The requirements to qualify for this license examination shall be two (2) years as a properly licensed journeyman or at least six (6) years of equivalent experience and training.

L-2 ELECTRICAL LINES JOURNEYPERSON

The holder of this license may perform only work limited to line construction, including distribution systems, and their allied work, for public and private companies; installation, maintenance and repair of all high-voltage cable splicing and pulling wire for all systems in excess of 2,400 volts; traffic signal and highway lighting installation, maintenance and repair, and only while in the employ of a contractor licensed for such work. The requirements to qualify for this license examination shall be the completion of a registered apprenticeship program or at least four (4) years of equivalent experience and training.

L-5 LIMITED ELECTRICAL CONTRACTOR

The holder of this license may perform only work limited to low voltage, alarm or signal work, audio and sound systems. The installation or repair of any telecommunication work is not authorized with the exception of the interface wiring from an alarm system to an existing telephone connection for monitoring purposes. The voltage of the system is not to exceed 25 volts or five amperes where such work commences at an outlet receptacle or connection previously installed by a person holding the proper electrical license. The requirements to qualify for this license examination shall be two (2) years as a properly licensed journeyman or at least six (6) years of equivalent experience and training.

L-6 LIMITED ELECTRICAL JOURNEYPERSON

The holder of this license may perform only work limited to low voltage, alarm or signal work, audio and sound systems, and only while in the employ of a contractor licensed for such work. The installation or repair of any telecommunication work is not authorized with the exception of the interface wiring from an alarm system to an existing telephone connection for monitoring purposes. The voltage of the system is not to exceed 25 volts or five amperes where such work commences at an outlet receptacle or connection previously installed by a person holding the proper electrical license. The requirements to qualify for this

license examination shall be the completion of a registered apprenticeship program or at least four (4) years of equivalent experience and training.

T-1 LIMITED ELECTRICAL CONTRACTOR

The holder of this license may perform only work limited to telephone-interconnect systems where such work commences at an outlet receptacle or connection previously installed by a person holding the proper electrical license. The requirements to qualify for this license examination shall be licensed journeyman or at least six (6) years of equivalent experience and training.

T-2 LIMITED ELECTRICAL JOURNEYPERSON

The holder of this license may perform only work as defined for the T-1 category and only while in the employ of a licensed electrical contractor. The requirements to qualify for this license examination shall be the completion of a registered apprenticeship program or at least four (4) years of equivalent experience and training or five (5) years as a registered public service technician.

Content Last Modified on 8/5/2010 12:38:30 PM

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165 Capitol Avenue, Hartford, CT 06106 / Phone: 860-713-6100 / Toll-Free: 800-842-2649

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This is to Certify that

ANGEL MARTINEZ

Is registered with the Wyoming Department
of Fire Prevention & Electrical Safety
and is hereby permitted to work as a

Master Electrician

Issue Date: 02/28/2011

License # M-25028

Expiration Date: 07/01/2013

Issued by: CJM

THE STATE



OF WYOMING

Department Of Fire Prevention & Electrical Safety

MATTHEW H. MEAD
GOVERNOR

LARRY APPELGATE
STATE FIRE MARSHAL

QUALIFICATIONS & INFORMATION TO TAKE THE WYOMING MASTER ELECTRICIAN EXAM

PLEASE READ THE QUALIFICATIONS & EXAMINATION INFORMATION BEFORE FILLING OUT THE APPLICATION

QUALIFICATIONS: For an applicant to take the Wyoming Master electrician's exam, the applicant must present evidence of 8 years (16,000 hours) of work experience in the electrical wiring industry, of which 4 years (8,000 hours) is documented as a licensed journeyman, and 576 hours of electrically related classroom instruction required. This work history must include evidence of experience in planning, laying out, and NEC and shall have been under the direct supervision of a qualifying electrician for a licensed electrical contractor. Electrical work experience is to consist of electrical installation in residential, commercial, and industrial categories.

Schooling experience shall be documented by official transcripts, which indicate the number of credit hours or the actual number of classroom hours of the electrically related courses. Work experience shall be documented by notarized letters or the enclosed employment verification form from employers (past and present), notarized letters from local unions, or official letters from other licensing boards detailing the duration (actual number of hours) and character of the work. A copy of a current electrical license from another state licensing board, which has work history requirements equal to or more stringent than the 8 year (16,000 hour) requirement of the State of Wyoming, may be acceptable as proof of work history.

Any Master electrician performing electrical work in the State of Wyoming shall be employed at all times by an electrical contractor who carries a current Wyoming electrical contractor's license.

NATIONAL ELECTRICAL CODE The State of Wyoming adopts the National Electrical Code without modification. The examinations for licenses are based on the current edition of the National Electrical Code.

The Applicants license and general correspondence will be mailed to the indicated mailing address on the application. If there is any change in your mailing address, phone number or any other relevant personal information, please contact the Cheyenne office as soon as possible.

A copy of the ICC Examination Information Bulletin can be obtained online at www.iccsafe.org/contractor or by contacting ICC directly at 1-888-ICC-SAFE to have a copy sent via U.S. mail.

122 W. 25TH STREET • HERSCHLER BLDG - 1 WEST • CHEYENNE, WYOMING 82002
PHONE: (307) 777-7288 • FAX: (307) 777-7119
<http://www.fire.state.wy.us>

Revised: 08/24/2012

Cover

RECEIVED

APR 17 2012

ADMINISTRATIVE
DIVISION



City of Chicago
Department of Buildings
Supervising Electrician's License
Issued : 12/04/2012

ANGEL MARTINEZ

License # : ECC94624

Expires : 12/04/2013

GENERAL ELECTRICIAN

This license is valid and in force within the city of Chicago in accordance with Chapter 12-17 of the Chicago Building Code, amended July 17, 1990 by the City Council of the city of Chicago.

The face of this certificate is a Department of Buildings document. If the information on this card has been altered, it is a violation of the Criminal Code, 12-14-0056.



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVE ARWOOD
DIRECTOR

August 22, 2013

E-13-56

TO: Members of the State Electrical Administrative Board

FROM: Dan O'Donnell, Chief, Electrical Division

SUBJECT: Master electrician examination application

APPLICANT REPRESENTATIVE:

Roy T. Pingel

PROJECT:

N/A

AUTHORITY:

The Michigan Electrical Administrative Act, 1956 PA 217 of the Michigan Compiled Laws.

The Electrical Administrative Board General Rules

REQUEST:

Request to petition the Electrical Administrative Board to sit for the master electrician examination.

APPLICABLE RULE:

1956 PA 217 MCL, 338.883a Sec 3a. (c), MCL 338.883c Sec. 3c. (1) a,b,c,d,e, and Electrical Administrative Board General Rules, R338.1004a Rule 4a. (1), (a), (b), (2), 338.1006a Rule 6a. (1), (2)

FINDINGS:

Mr. Pingel submitted an application to sit for the master electrician examination. Mr. Pingel has been licensed as a journeyman electrician (license #6316446) in the State of Michigan since 7/23/1993. Mr. Pingel submitted notarized documentation which

Providing for Michigan's Safety in the Built Environment

LARA is an equal opportunity employer
Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.
P.O. BOX 30254 • LANSING, MICHIGAN 48909
www.michigan.gov/bcc • Telephone (517) 241-9302 • Fax (517) 241-9570

indicates that from January 2002 through April 2012 he accrued 15926 hours of electrical experience working under the direction of licensed electrical contractors signatory with IBEW Local 153 in South Bend Indiana.

RECOMMENDATION:

In accordance with the acts and rules listed above staff concludes that Mr. Pingel meets the requirements to sit for the State of Michigan master electrician examination and recommends that the board approve his application.



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVE ARWOOD
DIRECTOR

Date Mailed from BCC: 8/6/2013

Roy T. Pingel
[REDACTED]
[REDACTED]

Document E-13-56
Exam Applicant Review

NOTICE OF MICHIGAN ELECTRICAL ADMINISTRATIVE BOARD MEETING

You are hereby notified that in accordance with the Administrative Procedures Act, 1969 PA 306, MCL 24.201 *et seq.*, and the Electrical Administrative Act, being 1956 PA 217 MCL 338.881 *et seq.*, you are scheduled to appear before the Michigan Electrical Administrative Board on:

Date: August 22, 2013
Time: 9:30 a.m.
Location: Department of Licensing and Regulatory Affairs
Bureau of Construction Codes
2501 Woodlake Circle, Conference Room 3
Okemos, MI 48864

This notice is to provide you the opportunity to provide testimony to the board regarding your experience and eligibility to sit for the Master Electrician exam. If you wish to offer any document(s) into evidence, you must file the documentation with Electrical Division prior to the meeting or bring fifteen (15) copies of the information you wish to enter for the board's consideration. In the event you are unable to attend the meeting or you choose not to appear before the board, please contact the Electrical Division in advance of the meeting. In the event that you fail to appear at the meeting as scheduled, a decision may be entered in your absence.

Accompanying this notice is a report outlining our findings and recommendation based upon the Electrical Administrative Act being 1956 PA 217 MCL and the documentation you have provided at the time of mailing. Any questions regarding this matter may be directed to the Electrical Division at (517) 241-9320.


Dan O'Donnell, Chief, Electrical Division

8-6-2013

Date

Providing for Michigan's Safety in the Built Environment

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Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.
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www.michigan.gov/bcc • Telephone (517) 241-9302 • Fax (517) 241-9570

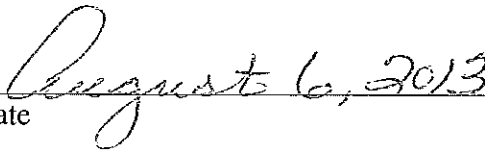
Exam Applicant Review
Roy T. Pingel
Document No. E-13-56
August 22, 2013
Page 2 of 4

PROOF OF SERVICE

I hereby state, to the best of my knowledge, information, and belief, that a copy of the foregoing document was served on this date upon all parties and/or attorneys of record in this matter by email to those parties employed by the State of Michigan and by first class mail to the remaining parties at their respective addresses as disclosed below.



Toni Nelson, Secretary
Electrical Division
Bureau of Construction Codes


Date

Roy T. Pingel


BCC Administration

Application for Master Electrician Examination
Michigan Department of Licensing and Regulatory Affairs
Bureau of Construction Codes / Electrical Division
P.O. Box 30255, Lansing, MI 48909
517-241-9320
www.michigan.gov/bcc

103

Agency Use Only

Examination Fee: \$100.00 (nonrefundable)

Authority: 1956 PA 217
Completion: Mandatory
Penalty: Examination will not be given

LARA is an equal opportunity employer/program. Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.

Instructions:

- See back of application for qualifications for examination.
- Complete and sign application. Type or print in ink.
- Application and fee must be received 20 business days prior to the examination date.
- Applicant must not be less than 22 years of age.
- Provide **original notarized** statements from current and past employers documenting required experience with this application. Statements must be on employers' letterhead stationery and include the dates and hours of employment (see qualifications on back of application) and names and license numbers of supervising master electricians. Be sure that all statements are **notarized**.
- Enclose a check made payable to the State of Michigan.
- Mail completed application, required documents, and payment to the address listed above.

Applicant Information

NAME (Last Name, First Name, Middle Initial)		DATE OF BIRTH		LAST 4 DIGITS OF SOCIAL SECURITY NUMBER*	
Pingel, Roy T.		[REDACTED]		XXX-XX-[REDACTED]	
ADDRESS		CITY		TOWNSHIP	
[REDACTED]		[REDACTED]		[REDACTED]	
COUNTY		STATE		ZIP CODE	
[REDACTED]		[REDACTED]		[REDACTED]	
JOURNEYMAN LICENSE NUMBER		NUMBER OF YEARS JOURNEYMAN LICENSE HELD		LICENSING JURISDICTION	
6316446		20		IBEW 153 St. Joe County IN	

Have you previously taken this examination? ☐ Yes ☒ No

If examination was not administered by the State Electrical Division provide the licensing entity:

City of _____ Township of _____

Examination Site

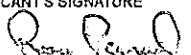
Examinations are given at the sites listed below. Refer to the enclosed "Schedule of Electrical Board Meetings and Licensing Examinations" for examination dates. Please check below the site you wish to be examined at and indicate a preference of examination month. If approved for examination, an admission card will be mailed to you approximately 10 days prior to the examination date. If the examination you have selected is full, you will be scheduled for the next available examination at your preferred site.

<u>Preferred Site</u>	<u>Preferred Month</u>
<input checked="" type="checkbox"/> Lansing	<u>August</u>
<input type="checkbox"/> Escanaba	_____

If you have a disability and require an accommodation to take the examination, please submit written documentation from a professional (education professional, doctor, psychologist, psychiatrist) to certify that your disabling condition requires the requested test accommodation. Forms are available from this office.

Certification and Signature

I certify the information is true and accurate to the best of my ability and I have the experience required for this examination. I further understand falsification of any statement is cause for rejection of this application or revocation of license, if issued. If granted a master's license, I swear I will not represent as master more than one person, firm, or corporation and if I resign as master I will notify the electrical administrative board within 10 business days.

APPLICANT'S SIGNATURE 	DATE 7-8-13
--------------------------------------------------------------------------------------------------------------	----------------

*This information is confidential. Disclosure of confidential information is protected by the Federal Privacy Act.

Qualifications for Examination

To qualify for a master electrician license examination, a person shall meet the following criteria:

- (a) Provide an *original notarized* statement from present or past employers to demonstrate the attainment of 4,000 hours in not less than 2 years of practical experience under the supervision of a master electrician, subsequent to initial journeyman license issue date.
- (b) If the journeyman license was not issued by the board (department), provide a copy of the license that was issued by a municipality providing for licensing pursuant to the provisions of section 6 of the act or a statement from the licensing authority that verifies the license issue date shall be furnished.

Examination Eligibility of Applicants From Other States or Countries

A person who is licensed as a master electrician in another state or country may qualify for examination upon a determination by the board that the license was obtained by the person through substantially the same or equal requirements as those of the state of Michigan. Refer to information packet.

Information

Applicants are permitted one examination for the \$100.00 fee. Upon achieving a passing score of 75% or higher, the applicant will be billed \$50.00 for the master electrician license prior to issuance of the license.

A separate license is required for an electrical contractor.

Agency Use Only

Approved for Exam ☐ Yes ☐ No

Date of Exam	Score	Absent	Date of Exam	Score	Absent

Validation Area

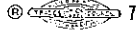
07/11/13
CNA#: 3543 Amt: \$100.00
ID: ROY T PINSEL

Date Approved by EAB _____



INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKERS

LOCAL UNION No. 153



May 21, 2012

To Whom It May Concern:

Roy T Pingel has been a member in good standing through the International Brotherhood of Electrical Workers Local 153 since December 1, 1988. From January 1, 2002 through April 30, 2012, he has completed 15,926 hours as a Journeyman Inside Wireman. He now requests to take the Michigan State Master Examination. Enclosed is a copy of his work history for your review.

If you should require any additional information please feel free to call me at (574) 287-8655.

Sincerely,

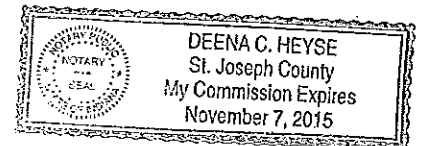
William C. Haase III
Assistant Business Manager
IBEW Local 153

Subscribed to and sworn to before me this 21st day of May, 2012, South Bend, Indiana.

Name: Deena C. Heyse

County of Residence: St. Joseph, IN

My Commission Expires: 11/7/2015



Serving St. Joseph, Marshall, Elkhart & Kosciusko Counties in Indiana and Berrien & Cass Counties in Michigan since 1914

1345 Northside Blvd. • South Bend, Indiana 46615
Phone 574-287-8655 • Fax 574-233-5234 • www.ibew153.com

2013

MASTER ELECTRICIAN'S LICENSE

ST. JOSEPH COUNTY/CITY OF SOUTH BEND

125 South Lafayette Boulevard, Suite 100

South Bend, Indiana 46601

574-235-9554

574-235-5541 (fax)

In order to obtain a Class "A" license, the applicant must:

- Complete the application form provided
- Be at least twenty-one (21) years of age
- Submit a picture I.D. (i.e., driver's license)
- Submit a fifty dollar (\$50.00) non-refundable application fee (this does not include Prometric's registration fee)
- Provide a statement from the Police Department of their local municipality indicating whether or not the applicant has ever been convicted of a misdemeanor or felony and if so, the crimes convicted of and the dates and places of such convictions.
- Have at least four (4) years (or equivalent) experience in the installation, repair and maintenance of residential, commercial or industrial electrical wiring, apparatus or equipment; and is able to furnish proof of such experience.
- Submit a letter of reference from each contractor listed on the application verifying apprenticeship.

All applicants must be reviewed by the Board of Examiners if they have not taken or passed the exam. The board members have ten (10) business days to review the application to determine if requirements are met as set forth in the ordinance.

Applicants should be certain of the exam date they select. Prometric will not accept anything after the cutoff date for that particular site and month.

If an applicant has previously taken the Prometric exam #C20113 and passed with a score of seventy per cent (70%) or above, a reciprocal letter will be accepted and should be submitted with the application as long as the individual meets the minimum requirements as stated above.

12-10-12



ST. JOSEPH COUNTY/CITY OF SOUTH BEND 2013
BUILDING DEPARTMENT

ELECTRICAL/HVAC LICENSE INFORMATION

ELECTRICAL CLASS A:

A Class A Electrical Contractor's License may be issued to a person who is principally engaged in the business of electrical contracting. This license entitles the holder and his/her employees to perform electrical contracting work. The holder must maintain a business telephone.

ELECTRICAL CLASS B:

A Class B Industrial Electrical License may be issued to a person who installs, maintains, alters, and/or repairs electrical equipment, provided that any such work performed shall be confined to the industrial premises described in the license application and certificate. No person shall hold more than one (1) Class B license at one (1) time.

HEATING CLASS A:

A Heating, Air Conditioning, and Ventilating Contractor's License may be issued to a person who is principally engaged in the business of heating, air conditioning, or ventilating contracting. This license entitles the holder and his/her employees to perform heating, air conditioning and ventilating contracting work and to sell approved heating, air conditioning and ventilating apparatus and devices. The holder must maintain a business telephone.

There is a fifty dollar (\$50.00) registration fee due from the applicant at the time the application is submitted for review by the appropriate Board. At that time, if the applicant meets the requirements, they will be given the form to submit to Prometric to take the exam. A resume of experience and three letters of reference must accompany the application.

LICENSE FEES:

Electrical Class A	New	\$100.00	Renewal	\$100.00
Electrical Class B	New	\$100.00	Renewal	\$100.00
Heating Class A	New	\$100.00	Renewal	\$100.00

SURETY BOND:

Each applicant that carries a Class A license must also provide a surety bond in the amount of five thousand dollars (\$5,000.00) naming the City of South Bend and St. Joseph County as the obligee for a period of one (1) year. The term of the license will run with the bond expiration date. The bond must indicate the individual's name and "doing business as" if applicable.

INSPECTORS:

Inspectors may be contacted M-F between the hours of 7:30 a.m.-9:00 a.m. and 3:30 p.m. to 4:00 p.m.

RICK SPITAELE - ELECTRICAL INSPECTOR
 ROBERT VEAL - HVAC INSPECTOR

City of South Bend/St. Joseph County Building Department
 125 South Lafayette Boulevard, Suite 100, South Bend, Indiana, 46601.
 574-235-9554
 574-235-5541 (Fax)

12-10-12

No. 000264-13

ELECTRIC LICENSE
ST. JOSEPH COUNTY AND CITY OF SOUTH BEND, INDIANA

\$ 100.00

WHEREAS, STEVE MC MANN, dba MC MANN ELECTRIC, INC. having this day paid
to the Building Department the sum of One Hundred Dollars and Zero Cents is hereby
LICENSED to operate in the unincorporated areas of ST. JOSEPH COUNTY and the CITY OF
SOUTH BEND, as a

October 4, 2012

Class "A" (Contractor);

THIS LICENSE EXPIRES: November 8, 2013

P.O. BOX 225
OSCEOLA, IN 46561

(574)674-5748


Charles C. Bulot

Building Commissioner

THIS LICENSE IS NOT TRANSFERABLE.



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVE ARWOOD
DIRECTOR

August 22, 2013

E-13-57

TO: Members of the State Electrical Administrative Board

FROM: Dan O'Donnell, Chief, Electrical Division

SUBJECT: Master electrician examination application

APPLICANT REPRESENTATIVE:

Timothy J. Oudbier

PROJECT:

N/A

AUTHORITY:

The Michigan Electrical Administrative Act, 1956 PA 217 of the Michigan Compiled Laws.

The Electrical Administrative Board General Rules

REQUEST:

Request to petition the Electrical Administrative Board to sit for the master electrician examination.

APPLICABLE RULE:

1956 PA 217 MCL, 338.883a Sec 3a. (c), MCL 338.883c Sec. 3c. (1) a,b,c,d,e, and Electrical Administrative Board General Rules, R338.1004a Rule 4a. (1), (a), (b), (2), 338.1006a Rule 6a. (1), (2)

FINDINGS:

Mr. Oudbier submitted an application to sit for the master electrician examination. Mr. Oudbier qualified for and passed his journeyman electrician examination in the State of Michigan and was issued his license on 9/22/2010. Mr. Oudbier attained 2821 hours

Providing for Michigan's Safety in the Built Environment

LARA is an equal opportunity employer
Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.

P.O. BOX 30254 • LANSING, MICHIGAN 48909
www.michigan.gov/bcc • Telephone (517) 241-9302 • Fax (517) 241-9570

of additional electrical experience from 9/22/1010 through 5/9/2013 with Buist Electric, a licensed electrical contractor in the State of Michigan. Mr. Oudbier also has documentation from the Department of the Navy which indicates that he attained over 2000 hours of electrical experience while deployed at the Isa Air Base, Bahrain from 4/14/2012 to 4/15/2013.

RECOMMENDATION:

In accordance with the acts and rules listed above staff concludes that Mr. Oudbier meets the requirements to sit for the State of Michigan master electrician examination and recommends that the board approve his application.



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVE ARWOOD
DIRECTOR

Date Mailed from BCC: 8/6/2013

Timothy J. Oudbier
[REDACTED]
[REDACTED]

Document E-13-57
Exam Applicant Review

NOTICE OF MICHIGAN ELECTRICAL ADMINISTRATIVE BOARD MEETING

You are hereby notified that in accordance with the Administrative Procedures Act, 1969 PA 306, MCL 24.201 *et seq.*, and the Electrical Administrative Act, being 1956 PA 217 MCL 338.881 *et seq.*, you are scheduled to appear before the Michigan Electrical Administrative Board on:

Date: August 22, 2013
Time: 9:30 a.m.
Location: Department of Licensing and Regulatory Affairs
Bureau of Construction Codes
2501 Woodlake Circle, Conference Room 3
Okemos, MI 48864

This notice is to provide you the opportunity to provide testimony to the board regarding your experience and eligibility to sit for the Master Electrician exam. If you wish to offer any document(s) into evidence, you must file the documentation with Electrical Division prior to the meeting or bring fifteen (15) copies of the information you wish to enter for the board's consideration. In the event you are unable to attend the meeting or you choose not to appear before the board, please contact the Electrical Division in advance of the meeting. In the event that you fail to appear at the meeting as scheduled, a decision may be entered in your absence.

Accompanying this notice is a report outlining our findings and recommendation based upon the Electrical Administrative Act being 1956 PA 217 MCL and the documentation you have provided at the time of mailing. Any questions regarding this matter may be directed to the Electrical Division at (517) 241-9320.


Dan O'Donnell, Chief, Electrical Division

8-6-2013
Date

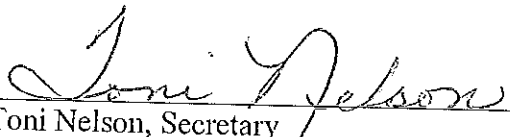
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www.michigan.gov/bcc • Telephone (517) 241-9302 • Fax (517) 241-9570

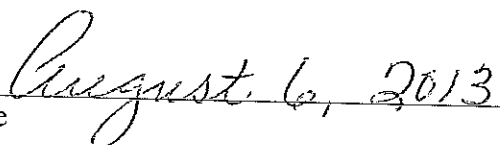
Exam Applicant Review
Timothy J. Oudbier
Document No. E-13-57
August 22, 2013
Page 2 of 4

PROOF OF SERVICE


I hereby state, to the best of my knowledge, information, and belief, that a copy of the foregoing document was served on this date upon all parties and/or attorneys of record in this matter by email to those parties employed by the State of Michigan and by first class mail to the remaining parties at their respective addresses as disclosed below.



Toni Nelson, Secretary
Electrical Division
Bureau of Construction Codes



Date

Timothy J. Oudbier


BCC Administration

Application for Master Electrician Examination
Michigan Department of Licensing and Regulatory Affairs
Bureau of Construction Codes / Electrical Division
P.O. Box 30255, Lansing, MI 48909
517-241-9320
www.michigan.gov/bcc

103

Agency Use Only

Examination Fee: \$100.00 (nonrefundable)

Authority: 1959 PA 217
Completion: Mandatory
Penalty: Examination will not be given

LARA is an equal opportunity employer/program. Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.

Instructions:

- See back of application for qualifications for examination.
- Complete and sign application. Type or print in ink.
- Application and fee must be received 20 business days prior to the examination date.
- Applicant must not be less than 22 years of age.
- Provide *original notarized* statements from current and past employers documenting required experience with this application. Statements must be on employers' letterhead stationery and include the dates and hours of employment (see qualifications on back of application) and names and license numbers of supervising master electricians. Be sure that all statements are *notarized*.
- Enclose a check made payable to the State of Michigan.
- Mail completed application, required documents, and payment to the address listed above.

Applicant Information

NAME (Last Name, First Name, Middle Initial) OUDBIER Timothy J		DATE OF BIRTH [REDACTED]	LAST 4 DIGITS OF SOCIAL SECURITY NUMBER* XXX-XX-[REDACTED]
ADDRESS [REDACTED]	CITY [REDACTED]	TOWNSHIP [REDACTED]	
COUNTY [REDACTED]	STATE MI	ZIP CODE [REDACTED]	TELEPHONE NUMBER (Include Area Code) [REDACTED]
JOURNEYMAN LICENSE NUMBER 6335701	NUMBER OF YEARS JOURNEYMAN LICENSE HELD 2	LICENSING JURISDICTION Michigan	

Have you previously taken this examination? ☐ Yes ☒ No

If examination was not administered by the State Electrical Division provide the licensing entity:

City of _____ Township of _____

Examination Site

Examinations are given at the sites listed below. Refer to the enclosed "Schedule of Electrical Board Meetings and Licensing Examinations" for examination dates. Please check below the site you wish to be examined at and indicate a preference of examination month. If approved for examination, an admission card will be mailed to you approximately 10 days prior to the examination date. If the examination you have selected is full, you will be scheduled for the next available examination at your preferred site.

Preferred Site

☒ Lansing

☐ Escanaba

Preferred Month

August

If you have a disability and require an accommodation to take the examination, please submit written documentation from a professional (education professional, doctor, psychologist, psychiatrist) to certify that your disabling condition requires the requested test accommodation. Forms are available from this office.

Certification and Signature

I certify the information is true and accurate to the best of my ability and I have the experience required for this examination. I further understand falsification of any statement is cause for rejection of this application or revocation of license, if issued. If granted a master's license, I swear I will not represent as master more than one person, firm, or corporation and if I resign as master I will notify the electrical administrative board within 10 business days.

APPLICANT'S SIGNATURE

[Signature]

DATE

6-21-13

Qualifications for Examination

To qualify for a master electrician license examination, a person shall meet the following criteria:

- (a) Provide an *original notarized* statement from present or past employers to demonstrate the attainment of 4,000 hours in not less than 2 years of practical experience under the supervision of a master electrician, subsequent to initial journeyman license issue date.
- (b) If the journeyman license was not issued by the board (department), provide a copy of the license that was issued by a municipality providing for licensing pursuant to the provisions of section 6 of the act or a statement from the licensing authority that verifies the license issue date shall be furnished.

Examination Eligibility of Applicants From Other States or Countries

A person who is licensed as a master electrician in another state or country may qualify for examination upon a determination by the board that the license was obtained by the person through substantially the same or equal requirements as those of the state of Michigan. Refer to information packet.

Information

Applicants are permitted one examination for the \$100.00 fee. Upon achieving a passing score of 75% or higher, the applicant will be billed \$50.00 for the master electrician license prior to issuance of the license.

A separate license is required for an electrical contractor.

RECEIVED

APR 16 2008

ELECTRICAL
DIVISION

Agency Use Only

Approved for Exam ☐ Yes ☐ No

Date of Exam	Score	Absent	Date of Exam	Score	Absent

Validation Area

Date Approved by EAB _____



BUIST ELECTRIC

raising the standard

commercial • industrial • design/build • communications • outdoor utilities • automation • testing

July 15, 2013

Michigan Department of Labor
Bureau of Construction Codes
Electrical Administrative Board
PO Box 30255
Lansing, MI 48909

TO WHOM IT MAY CONCERN:

Tim Oudbier has been employed as a registered electrical apprentice from 06/12/00 to 05/09/13. He has 2821 hours of registered electrical experience at Buist Electric from 09/22/10 through 05/09/13. He has also completed four years of electrical education.

His duties at Buist Electric include but are not limited to:

- Pulling and terminating wire
- Bending and installing electrical conduit
- Installing light fixtures, electrical devices, temporary lighting, temporary power, and electrical service
- Machine hookup
- Programmable logic controls
- Troubleshooting electrical service
- Underground electrical installation
- Electrical safety training
- Electrical system design.

Sincerely,
BUIST ELECTRIC, INC.

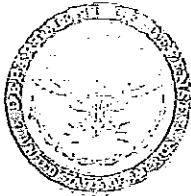
Joseph B. Boos
Master's License #62-09794
JB/mjb

CHERYL J VANSOLKEMA
Notary Public, Kent County, MI
My Commission Expires 3/22/2019
Acting in the county of Kent

8650 Byron Center Ave.
Byron Center, MI 49315
(p) 616-878-3315
(f) 616-878-3556

www.buistelectric.com

3201 Lake Street
Kalamazoo, MI 49048
(p) 269-343-9191
(f) 269-343-1122



DEPARTMENT OF THE NAVY
ISA AIR BASE, BAHRAIN
PSC 903 BOX 001
FPO AE 08858-0001

1300
Ser N44/075
22 Mar 13

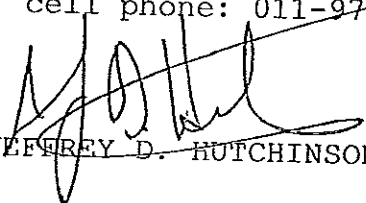
From: Officer in Charge, U.S. Naval Forces Central Command
Detachment, Isa Air Base, Bahrain
To: Whom it may concern

Subj: VERIFICATION OF SERVICE

1. This letter is to verify that Construction Electrician First Class Timothy J. Oudbier has performed over 2,000 hours in the electrical and project management areas while assigned to Isa Air Base, Bahrain from 14 April 2012 to 15 April 2013. His duties included:

- a. Working on the shore power distribution installation.
- b. Inspecting the power generation grid and electrical projects.
- c. Conducting repairs to various electrical panels, receptacles, lights, and feeders.
- d. General construction for permanent and temporary structure encompassing high and low voltage electrical installation, inspection, and repair.
- e. The installation of Information Technology infrastructure to facilities to include fiber optics, CAT V and CAT VI wire, phones, patch panels, and equipment.

2. Point of contact is LCDR Federico Perez Romero; e-mail: federico.perezromero@me.navy.mil; cell phone: 011-973-3840-1951.


JEFFREY D. HUTCHINSON



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVE ARWOOD
DIRECTOR

August 22, 2013

E-13-58

TO: Members of the State Electrical Administrative Board
FROM: Dan O'Donnell, Chief, Electrical Division
SUBJECT: Course Approval, Journeyman Electrician Examination Prep Course
APPLICANT REPRESENTATIVE:

Joseph C. K. Sayer

AUTHORITY:

The Michigan Electrical Administrative Act, 1956 PA 217 of the Michigan Compiled Laws and the Electrical Administrative Board General Rules.

REQUEST:

Request to petition the Electrical Administrative Board for approval of a journey electrician test prep course.

APPLICABLE RULE:

P.A. 217 of 1956 MCL, 338.883d Sec. 3d. (3), and the Electrical Administrative Board General Rules, R338.1013a Rule 13a. (2).

FINDINGS:

Mr. Sayer submitted a request to the Electrical Division for board approval of a journey electrician test prep course in accordance with 1956 PA 217 and the Electrical Administrative Board General Rules. The Electrical Division has reviewed the course information submitted by the applicant and has determined that the course description and instructor credentials are sufficient.

RECOMMENDATION:

Staff recommends approval of the journey electrician test prep course submitted by Mr. Sayer.

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DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVE ARWOOD
DIRECTOR

Date Mailed from BCC: 8/6/2013

Joseph C. K. Sayer
[REDACTED]
[REDACTED]

Document E-13-58
Course Review

NOTICE OF MICHIGAN ELECTRICAL ADMINISTRATIVE BOARD MEETING

You are hereby notified that in accordance with the Administrative Procedures Act, 1969 PA 306, MCL 24.201 *et seq.*, and the Electrical Administrative Act being 1956 PA 217 MCL you are scheduled to appear before the Michigan Electrical Administrative Board on:

Date: August 22, 2013
Time: 9:30 a.m.
Location: Department of Licensing and Regulatory Affairs
Bureau of Construction Codes
2501 Woodlake Circle, Conference Room 3
Okemos, MI 48864

This notice is to provide you the opportunity to provide testimony to the board regarding proposed course. If you wish to offer any document(s) into evidence, you must file the documentation with Electrical Division prior to the meeting or bring fifteen (15) copies of the information you wish to enter for the board's consideration. In the event you are unable to attend the meeting or you choose not to appear before the board, please contact the Electrical Division in advance of the meeting. In the event that you fail to appear at the meeting as scheduled, a decision may be entered in your absence.

Accompanying this notice is a report outlining our findings and recommendation based upon the Electrical Administrative Act being 1956 PA 217 MCL and the documentation you have provided at the time of mailing. Any questions regarding this matter may be directed to the Electrical Division at (517) 541-9320.


Dan O'Donnell, Chief, Electrical Division

8-6-2013
Date

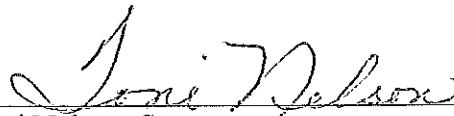
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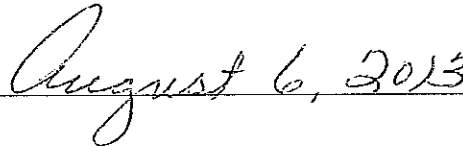
Course Review
Joseph C.K. Sayer
Document No. E-13-58
August 22, 2013
Page 2 of 3

PROOF OF SERVICE

I hereby state, to the best of my knowledge, information, and belief, that a copy of the foregoing document was served on this date upon all parties and/or attorneys of record in this matter by email to those parties employed by the State of Michigan and by first class mail to the remaining parties at their respective addresses as disclosed below.



Toni Nelson, Secretary
Electrical Division
Bureau of Construction Codes



Date

Joseph C.K. Sayer



BCC Administration

Bureau of Construction Codes, Electrical Division, Electrical Administrative Board "Approved Exam Prep and Re-Exam" Petition

The intent of this Petition to the Electrical Administrative Board is to present a Curriculum Outline for the Journey and Master "Approved Exam Prep and Re-Exam Courses" for the Boards Approval. The (2) individual course providers are: 1) Joseph C.K. Sayer, 32530 Prescott, Romulus, MI 48174 2) George A. Ferguson, 31604 Glen Ave., Westland, MI 48186

For adult students, the ability to balance their personal and professional lives, while achieving their Electrical educational goals is central to our programs core design. The Journey and Master level Course content is structured to integrate what is required by the Electrical Administrative Board, to include, but not limited to:

- All sections of the Electrical Administrative Act 217 of 1956
- All the Rules and Sections of Part 8, Michigan Electrical Code
- Electrical Administrative Board General Rules
- Current National Electrical Code 2011
- Exam test taking methods and strategies.
- Electrical Theory to include AC/DC circuits and principles, Ohms Law, Electromagnetism, Series/Parallel circuits as well as formulas for basic and advanced electrical calculations.
- Codeology and Code Practices is our in-depth analysis of the various NEC Articles, Definitions, Index, Tables and Table of Contents. This will help leverage the finding, studying and interpretation of the code rules, language and it's contents.

The references that will be utilized will be a combination of:

- NEC 2011
- Part 8, Michigan Electrical Code
- Electrical Administrative Act of 217 of 1956
- Hayden's: Electricity 1-7, revised Second Edition
- Study Guide and Exam Preparation by the IAEI
- Illustrated Changes to the 2011 NEC
- Electrical Motor Controls, Gary Rockis and Glen Mazur
- Understanding the NEC, Volume 1 & 2, Mike Holt
- Electrical Theory, Mike Holt
- Journeyman Simulated Exams, Mike Holt
- Master Simulated Exams, Mike Holt
- Electrical Wiring Residential, Ray Mullen

Contact Hours:

Both the Journey and Masters level courses are "40 Contact Hour" for both the initial and the re-exam courses. They will be scheduled on Saturdays, 9:00 am to 5:00 pm, for a total of (5) Sessions.

Course Design:

These Journey and Masters level courses are modeled from Mike Holt's Comprehensive Library. The professional reputation and integrity of his Electrical Information Resources are well known to meet or exceed industry standards. Our courses address the relevant technical aspects of the presented material, in such a way as to ensure that the learning objectives of the individual classes are sufficiently conveyed.

Assumptions:

Every Electrical course offered by instructors will vary slightly in how it approaches and delivers the course content. We have found that several assumptions have been made that helped us develop these individual courses:

- These courses are intended to be taught primarily to experienced electricians
- The primary audience will be working professional construction, maintenance and/or service electrician, with a minimum of (4) years in the trade
- This course is designed for a working adult that is usually highly motivated to learn and study the material that is presented
- The lectures are designed so that the students can process what they have learned off-site during the week. We hand out homework assignments, which include take home quizzes that are specific to the material covered during each session

Thank you in advance for your consideration. If there are any further questions, please don't hesitate to call me direct, Joe Sayer @ [REDACTED]

Note: See Attached Addendum's for your review.

- 1) Journeyman Electrician Exam Prep and Re-Exam Class Syllabus
- 2) Master Electrician Exam Prep and Re-Exam Class Syllabus

Master Electrician Exam Prep and Re-Exam Course Syllabus

- A. Course Description: Preparation for Master electrician licensure with emphasis on Basic & Advanced theory, calculations and the National Electrical Code (NEC)
- B. Course Title: Master Electrical Exam Prep and Review
- C. Contact Hours: 40 Total Contact Hours, (5) Saturdays 9:00 am to 5:00 pm
- D. Course Rationale: This is a preparation course to take the State of Michigan, Master Electrician exam
- E. Course Objectives: Recognize and properly utilize formulas used to solve problems for direct current and alternating current applications, including single-phase and three-phase; describe proper materials and wiring methods used for wiring; explain license requirements of your jurisdiction and the procedure for applying and testing for licensure; identify important test taking skills; become familiar with trade related information resources available to enhance professional skills; learn to use the NEC, Part 8, Michigan Electrical Code, Electrical Administrative Act 217 of 1956 and the Electrical Administrative Board General Rules as your main references to design, install and maintain electrical systems
- F. Course Topics: The course will cover the following topics
- Electrical Theory
 - 1) Electrical Fundamentals & Basic Electricity
 - 2) Electrical Circuits, Systems & Protection
 - 3) Alternating Current, Direct Current, Motors
 - 4) Generators and Transformers
 - Code
 - 1) Codeology – Code Language and Format
 - 2) Code Practices – Articles, Tables, Index & Table of Contents
 - 3) General Requirements
 - 4) Grounding Vs Bonding
 - 5) Wiring Methods
 - 6) Equipment for General Use
 - 7) Special Occupancies
 - 8) Special Equipment
 - 9) Limited Energy & Communication Systems

- Calculations
 - 1) Raceway & Box Calculations
 - 2) Conductor Sizing & Protection Calculations
 - 3) Motor & Air-Conditioning Calculations
 - 4) Voltage Drop Calculations
 - 5) Dwelling Unit Calculations
 - 6) Multifamily Dwelling Calculations
 - 7) Commercial & Industrial Calculations
 - 8) Transformer Calculations
 - 9) Load Calculations
 - 10) Test Taking Strategies and Methods

G. Specific Tasks Accomplished:

- Demonstrate knowledge of the history and scope of the NEC
- Demonstrate knowledge of the general requirements of the NEC
- Demonstrate knowledge of the wiring and protection required by the NEC
- Demonstrate knowledge of the wiring methods and materials approved by the NEC
- Demonstrate knowledge of electrical equipment and methods used by the NEC

H. Textbook and Supplies Required :

- National Electrical Code 2011
- Pen, Notebook and Calculator (No storage type of device or ElectriCalc)

I. Grading Policy: Your grade will be determined by

- Equally averaged quizzes 60%
- Attendance 15%
- Class participation 10%
- Final Exam 15%

Joseph C. K. Sayer - Bio

~~XXXXXXXXXX~~

~~XXXXXXXXXXXXXXXXXXXX~~

Master Electrician # 6215209

Direct: ~~XXXXXXXXXX~~

Email: ~~XXXXXXXXXXXXXXXXXXXX~~

Joseph Sayer began his electrical career with his first job in 1973. in New Jersey at Rowe Electric as an apprentice. He worked there for (4) years and then left to go to Houston, Texas to start an IBEW apprenticeship with Local 716. He became a IBEW - Journeyman Inside Wireman in 1981. He worked in Houston until 1985 and moved to Ypsilanti, MI to continue working in the trade. Joseph received his Michigan Journeyman License in 1996 and continued working as a Union Journeyman electrician for a total of 26 years.

In 1991 -95, Joseph attended Eastern Michigan University to finish up his BS and Masters Degree. While at EMU, he was paid by the State of Michigan to teach Aviation for their Aviation Management Program. At the time, Joseph had been teaching Aviation (as a FAA Certified Flight Instructor and Ground School Instructor) part-time in the evenings and weekends, while working full time as an electrician in Ann Arbor.

In 1996, Joseph first met George Ferguson and started to assist him in teaching Electrical theory and code, as a "paid staff substitute" at Washtenaw Community College. This association grew stronger over the years, and we both presented NEC code Update classes together. In October 2007, Joseph received his first course I.D. # 07-050-05 to present the 2005 NEC Update 15 hour -Classroom course. In February 2007, Joseph started his Electrical Contracting business (with George Ferguson as the Master of Record) and then received his Master Electrician License in 2008. Joseph's company, JST Development, LLC is located in Ann Arbor, and provides Residential, Commercial and Industrial Services in Washtenaw and Wayne Counties.

George Arthur Ferguson – Bio

[REDACTED]
[REDACTED]
Master Electrician License # 6211275

Direct: [REDACTED]

Email: [REDACTED]

George Ferguson grew up with a natural interest in the construction trades; with two uncles who were masonry contractors, a close neighbor who was a plumbing & heating contractor, and another uncle who was a master plumber and certified welder he gained an understanding of construction and how the trades worked together. George worked for his uncles and/or his neighbor summers and part-time during the school year for four years.

After high school George enrolled in electronics training receiving a Certificate of Completion and an FCC 2nd Class Radio-telephone License. After serving as an intern for an FM broadcast station, George determined this was not his preferred career. George went back to the plumbing contractor for the next two years.

George then had an opportunity to work for an electrical contractor and because of his knowledge of electrical circuitry and fundamentals he became a full time journeyman employee of the contractor wiring residential, multifamily and commercial buildings for six years. When the housing market slowed and George was not needed by the contractor, George had an opportunity to become an industrial electrician, this also lasted six years.

George then took a position as a maintenance supervisor for a management company overseeing the work on student housing and commercial properties for the next four years. During this time he gained knowledge of hydronic, steam and forced air heating systems. He also developed skills and proved himself adapt in management. This lasted three years and led to becoming an assistant to a custom builder for one year where George gained experience in rough and finish carpentry. He also participated in the erection of the first three modular homes allowed in Ann Arbor, MI.

George then found a position as electrician at Unistrut Corp, Wayne MI and as part of the in-house maintenance staff helped build a new manufacturing facility, learning about steel frame construction. George was there for two years. By this time, George had earned his Master Electrician's License and started an Electrical Contraction firm. It was also at this time he was given a chance to start teaching the electrical trades, part-time at Washtenaw Community College in Ann Arbor, MI. After 2 ½ years, the construction technology department was eliminated. George kept his contracting business for six years until he a position in research work presented itself. George took classes while at WCC earning an Industrial Journeyman Associate Degree. The challenge of research work was met with dedication and enthusiasm. George stayed in this field for ten years. During this time George found himself back at Washtenaw Community College teaching for the Electronics Department, primarily for the UAW apprentice program. George continued teaching for 12 years, establishing himself as a knowledgeable voice on the electrical code.

Seeking stable employment leading to a retirement pension, George then went to work for Eastern Michigan University, Ypsilanti, MI where he was promoted to Group Leader Electrician.

It was here that George received his Journeyman Union Card from AFSME (AFL-CIO). George stayed with EMU for eight years until his retirement.

George has continued to stay active in the electrical field as a part of an electrical contracting firm and continuing to teach "code update certification" courses and electrical license prep courses.



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVE ARWOOD
DIRECTOR

August 22, 2013

E-13-59

TO: Members of the State Electrical Administrative Board
FROM: Dan O'Donnell, Chief, Electrical Division
SUBJECT: Course Approval, Master Electrician Examination Prep Course

APPLICANT REPRESENTATIVE:

Joseph C. K. Sayer

AUTHORITY:

The Michigan Electrical Administrative Act, 1956 PA 217 of the Michigan Compiled Laws and the Electrical Administrative Board General Rules.

REQUEST:

Request to petition the Electrical Administrative Board for approval of a master electrician test prep course.

APPLICABLE RULE:

P.A. 217 of 1956 MCL, 338.883c (2), and the Electrical Administrative Board General Rules, R338.1013a Rule 13a. (2).

FINDINGS:

Mr. Sayer submitted a request to the Electrical Division for board approval of a master electrician test prep course in accordance with 1956 PA 217 and the Electrical Administrative Board General Rules. The Electrical Division has reviewed the course information submitted by the applicant and has determined that the course description and instructor credentials are sufficient.

RECOMMENDATION:

Staff recommends approval of the master electrician test prep course submitted by Mr. Sayer.

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BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVE ARWOOD
DIRECTOR

Date Mailed from BCC: 8/6/2013

Joseph C. K. Sayer


Document E-13-59
Course Review

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Time: 9:30 a.m.
Location: Department of Licensing and Regulatory Affairs
Bureau of Construction Codes
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Okemos, MI 48864

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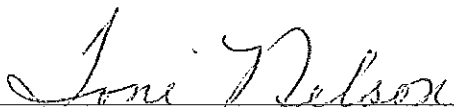
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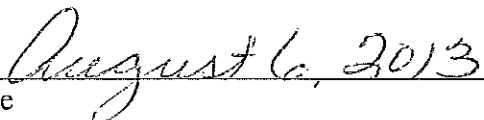
Course Review
Joseph C.K. Sayer
Document No. E-13-59
August 22, 2013
Page 2 of 3

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Bureau of Construction Codes



Date

Joseph C.K. Sayer


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- Electrical Wiring Residential, Ray Mullen

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Thank you in advance for your consideration. If there are any further questions, please don't hesitate to call me direct, Joe Sayer @ [REDACTED]

Note: See Attached Addendum's for your review.

- 1) Journeyman Electrician Exam Prep and Re-Exam Class Syllabus
- 2) Master Electrician Exam Prep and Re-Exam Class Syllabus

Journeyman Electrician Exam Prep and Re-Exam Course Syllabus

- A. Course Description: Preparation for Journeyman Electrician licensure with emphasis on theory, calculations and the National Electrical Code (NEC)
- B. Course Title: Journeyman Electrical Exam Prep and Review
- C. Contact Hours: 40 Total Contact Hours, (5) Saturdays 9:00 am to 5:00 pm
- D. Course Rationale: This is a preparation course to take the State of Michigan, Journeyman Electrician exam
- E. Course Objectives: Recognize and properly utilize formulas used to solve problems for direct current and alternating current applications, including single-phase and three-phase; describe proper materials and wiring methods used for wiring; explain license requirements of your jurisdiction and the procedure for applying and testing for licensure; identify important test taking skills; become familiar with trade related information resources available to enhance professional skills; learn to use the NEC, Part 8, Michigan Electrical Code, Electrical Administrative Act 217 of 1956 and the Electrical Administrative Board General Rules as your main references to design, install and maintain electrical systems
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 - 3) Motor & Air-Conditioning Calculations
 - 4) Voltage Drop Calculations
 - 5) Dwelling Unit Calculations
 - 6) Test Taking Strategies and Methods

G. Specific Tasks Accomplished:

- Demonstrate knowledge of the history and scope of the NEC
- Demonstrate knowledge of the general requirements of the NEC
- Demonstrate knowledge of the wiring and protection required by the NEC
- Demonstrate knowledge of the wiring methods and materials approved by the NEC
- Demonstrate knowledge of electrical equipment and methods used by the NEC

H. Textbook and Supplies Required :

- National Electrical Code 2011
- Pen, Notebook and Calculator (No storage type of device or ElectriCalc)

I. Grading Policy: Your grade will be determined by

- Equally averaged quizzes 60%
- Attendance 15%
- Class participation 10%
- Final Exam 15%

Joseph C. K. Sayer - Bio

[REDACTED]
[REDACTED]
Master Electrician # 6215209

Direct: [REDACTED]

Email: [REDACTED]

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George Arthur Ferguson – Bio

[REDACTED]
[REDACTED]
Master Electrician License # 6211275

Direct: [REDACTED]
Email: [REDACTED]

George Ferguson grew up with a natural interest in the construction trades; with two uncles who were masonry contractors, a close neighbor who was a plumbing & heating contractor, and another uncle who was a master plumber and certified welder he gained an understanding of construction and how the trades worked together. George worked for his uncles and/or his neighbor summers and part-time during the school year for four years.

After high school George enrolled in electronics training receiving a Certificate of Completion and an FCC 2nd Class Radio-telephone License. After serving as an intern for an FM broadcast station, George determined this was not his preferred career. George went back to the plumbing contractor for the next two years.

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RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVE ARWOOD
DIRECTOR

August 22, 2013

E-13-60

TO: Members of the State Electrical Administrative Board
FROM: Dan O'Donnell, Chief, Electrical Division
SUBJECT: Course Approval, Master/Journeyman Electrician Examination Prep Course
APPLICANT REPRESENTATIVE:

Norman Ross

AUTHORITY:

The Michigan Electrical Administrative Act, 1956 PA 217 of the Michigan Compiled Laws and the Electrical Administrative Board General Rules.

REQUEST:

Request to petition the Electrical Administrative Board for approval of master/journey electrician test prep course.

APPLICABLE RULE:

P.A. 217 of 1956 MCL, 338.883d Sec. 3d. (3), and MCL 338.883c (2), the Electrical Administrative Board General Rules, R338.1013a Rule 13a. (2).

FINDINGS:

Mr. Ross submitted a request to the Electrical Division for board approval of a master/journey electrician test prep course in accordance with 1956 PA 217 and the Electrical Administrative Board General Rules. The Electrical Division has reviewed the course information submitted by the applicant and has determined that the course description and instructor credentials are sufficient.

RECOMMENDATION:

Staff recommends approval of the master/journey electrician test prep course submitted by Mr. Ross.

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RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVE ARWOOD
DIRECTOR

Date Mailed from BCC:

8/6/2013

Norman J. Ross
[REDACTED]
[REDACTED]

Document E-13-60
Course Review

NOTICE OF MICHIGAN ELECTRICAL ADMINISTRATIVE BOARD MEETING

You are hereby notified that in accordance with the Administrative Procedures Act, 1969 PA 306, MCL 24.201 *et seq.*, and the Electrical Administrative Act being 1956 PA 217 MCL you are scheduled to appear before the Michigan Electrical Administrative Board on:

Date: August 22, 2013
Time: 9:30 a.m.
Location: Department of Licensing and Regulatory Affairs
Bureau of Construction Codes
2501 Woodlake Circle, Conference Room 3
Okemos, MI 48864

This notice is to provide you the opportunity to provide testimony to the board regarding proposed course. If you wish to offer any document(s) into evidence, you must file the documentation with Electrical Division prior to the meeting or bring fifteen (15) copies of the information you wish to enter for the board's consideration. In the event you are unable to attend the meeting or you choose not to appear before the board, please contact the Electrical Division in advance of the meeting. In the event that you fail to appear at the meeting as scheduled, a decision may be entered in your absence.

Accompanying this notice is a report outlining our findings and recommendation based upon the Electrical Administrative Act being 1956 PA 217 MCL and the documentation you have provided at the time of mailing. Any questions regarding this matter may be directed to the Electrical Division at (517) 541-9320.


Dan O'Donnell, Chief, Electrical Division

8-6-2013
Date

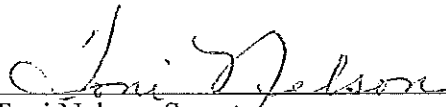
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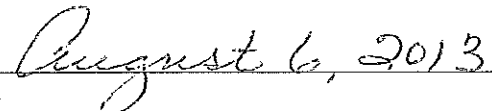
Course Review
Norman J. Ross
Document No. E-13-60
August 22, 2013
Page 2 of 3

PROOF OF SERVICE



I hereby state, to the best of my knowledge, information, and belief, that a copy of the foregoing document was served on this date upon all parties and/or attorneys of record in this matter by email to those parties employed by the State of Michigan and by first class mail to the remaining parties at their respective addresses as disclosed below.



Toni Nelson, Secretary
Electrical Division
Bureau of Construction Codes



Date

Norman J. Ross



BCC Administration

O'Donnell, Daniel (LARA)

From: John Ross [REDACTED]

Sent: Thursday, June 13, 2013 1:27 PM

To: O'Donnell, Daniel (LARA)

Subject: approval for prep class

Mr. O'Donnell,

As per our conversation on 6/13/13.

I am requesting approval for my 48 hour course, that would prepare Electricians for there Master & Journey person licenses exams.

If you need any other documentation, other than what I have already summited let me know.

Phone [REDACTED], email [REDACTED]

Thank You
Norman (John) Ross

06/13/2013

MOTT COMMUNITY COLLEGE
ELECTRONICS AND ELECTRICAL TECHNOLOGY
ELEC-150
NATIONAL ELECTRICAL CODE (NEC)
(3 credits / 3 contacts)
COURSE DISCRIPTION & OBJECTIVES

The National Fire Protection Agency (NFPA) has commissioned document NFPA 70 (commonly known as the National Electrical Code or NEC) since 1911. The original code was developed in 1897. It is the "Bible" of all electrical endeavors. Its purpose is to ensure that electrical installations have minimum potential for personal and property damage due to fires, arcs and electrocution. Licensing of all electricians requires a demonstration (through a written exam administered by the State of Michigan) of the ability to use this document as a resource when planning, installing and maintaining electrical installations. This requires a thorough knowledge of the code layout and an ability to interpret the "legal/technical jargon" that is the language of NFPA 70. The electrician who adheres to the NEC minimizes his or her chances of having the same code used against them in a court of law. So, in addition to ensuring safe and uniform electrical installations it also becomes the tool of prosecution.

Therefore, this course will help to prepare students prepare to take the State of Michigan Journeyman & Master Electrician exams, where passing of this exam is a testimony of NFPA 70 proficiency. Thoroughly investigating, interpreting, and using the NEC on practical applications will accomplish this preparation. The larger objective of this course is to improve the safety and reliability of the electrical systems that its students come in contact with. Because states can "add" to the code, the Michigan Residential Code 2000/Electrical will be interjected into the course.

TOPICAL OUTLINE

GENERAL OVERVIEW

- History and development of the National Electrical Code.
- Article 90 covering scope, arrangement, enforcement and wire planning.
- Article 100 covering all definitions.
- Requirements for electrical installations (article 110).

WIRING AND PROTECTION

- Use and identification of grounded conductors (article 200).
- Branch circuits (article 210).
- Installation, over current protection, sizing, and ampacity of feeders (articles 215).
- Requirements for computing branch-circuit, feeder, and service loads (article 220).
- Outside branch circuits and feeders run on or between buildings, structures, or poles (article 225).

- Service conductors and equipment for control and protection of services and their installation requirements (article 230).
- Over current protection and over current protective devices (article 240). • General requirements for grounding and bonding of electrical installations (article 250).
- Installation and connection requirements for surge arresters (article 280).

- General requirements, installation requirements and connection requirements for transient voltage surge suppressors (TVSS) (article 285).

WIRING METHODS AND MATERIALS

- Wiring methods for all wiring installations (article 300).
- General requirements for conductors and their type designations, insulations, markings, mechanical strengths, ampacity ratings, and uses (article 310).
- Installation and construction specifications of cabinets, cutout boxes, and meter socket enclosures (article 312).
- The proper use and installation of Outlet, Device, Pull and Junction Boxes, Conduit Bodies and Fittings (article 314).
- Using and identifying Type AC, MC, MI, NM, TC, SE and UF cables (articles 320, 330, 332, 334, 336, 338 & 340 respectively).
- Using and identifying metallic and non-metallic conduits and tubing (articles 342, 344, 348, 350, 352, 356, 358, 360 & 362).

EQUIPMENT FOR GENERAL USE

- Proper use of Flexible Cords and Cables (article 400).
- General requirements and construction specifications for fixture wires (article 402).
- The proper use and installation of all switches, switching devices, and circuit breakers where used as switches (article 404).
- Rating, type and installation of receptacles, cord connectors and attachment plugs (article 406).
- Proper use and installation of all switchboards, panelboards, and distribution boards installed for the control of light and power circuits (article 408).
- Proper use of Lighting Fixtures, Lampholders, Lamps, and Receptacles (article 410).
- Proper use and installation of electric appliances used in any occupancy (article 422).
- Proper use and installation of Fixed Electric Space-Heating Equipment (article 424).
- Proper installation and maintenance of motors, motor branch-circuit and feeder conductors and their protection, motor overload protection, motor control circuits, motor controllers, and motor control centers (article 430).
- Proper sizing and over current protection of Transformers and Transformer Vaults (article 450).

SPECIAL OCCUPANCIES

- Identification of Hazardous (Classified) Locations, Classes I, II, and III, Divisions 1 and 2 (article 500 & 501).
- Code considerations for Gasoline Dispensing and Service Stations (article 514).
- Electrical construction and installation criteria in health care facilities (article 518).
- Installation of portable wiring and equipment for carnivals, circuses, exhibitions, fairs, traveling attractions, and similar functions, including wiring in or on all structures (article 525).
- Proper temporary electrical power and lighting installations (article 527).
- Considerations of motion picture projection rooms, motion picture projectors, and associated equipment of the professional and nonprofessional types using incandescent, carbon arc, xenon, or other light source equipment that develops hazardous gases, dust, or radiation (article 540).
- Special considerations pertaining to agricultural buildings (article 547).

- Special considerations pertaining to electrical conductors and equipment installed within or on mobile homes (article 550).
- Special considerations pertaining to electrical conductors and equipment installed within or on recreational vehicles and the installation of equipment and devices related to electrical installations within a recreational vehicle park (article 551).

SPECIAL EQUIPMENT

- Proper installation of conductors and equipment for electric signs and outline lighting (article 600).
- The proper use and installation of Manufactured Wiring Systems (article 604).
- Proper construction and installation of electrical wiring for and equipment in or adjacent to all swimming, wading, therapeutic, and decorative pools, fountains, hot tubs, spas, and hydro massage bathtubs (article 680).
- Proper use of Switching and control equipment dedicated to fire pump drivers (article 695).

SPECIAL CONDITIONS

- Proper installation, operation, and maintenance of emergency systems consisting of circuits and equipment intended to supply, distribute, and control electricity for illumination or power, or both, to required facilities when the normal electrical supply or system is interrupted (article 700).

APPENDICES

- Overview of all tables in NEC chapter 9
- Overview of examples
- Overview of appendix A, B, C, D and E

Instructor Information:

Name: Mr. Norman John Ross
 E-mail: [REDACTED]
 Office: RTC2306
 Phone: [REDACTED] (cell) & [REDACTED] (home)
 Division office: RTC2700 (Flint Campus)
 Division Phone: [REDACTED]
 Office Hours: 1 hour before class

Textbook Information:

2011 National Electric Code book (Article outline by request), Michigan Part 8 Rules.

Meeting Times: Section ELEC 150
 Number of weeks: 16
 Location: RTC2306

COMPETENCIES & LEARNING OBJECTIVES

1. Use ohms law to determine all electrical parameters.
 - Describe direct current and alternating current.
 - Calculate the unknown quantity if only two of these quantities are known: volts, current, or resistance.
 - Determine the current in a circuit or equipment if power, voltage and power factor are known.
 - Determine the area of a conductor if the conductor diameter is given.
 - Calculate the total resistance of a circuit if the values of resistance in either series or in parallel are given.
 - Choose the correct ampacity table from *Article 310* to determine the minimum size of conductor required for a wiring application.
2. Determine proper size of wire, raceways and electrical boxes.
 - Determine the size of a conductor for a circuit considering ambient temperature and more than three conductors in the raceway, cord or cable.
 - Determine the minimum size conduit permitted when the conductors are all the same size and type of insulation.
 - Determine the minimum size conduit permitted when the conductors are different sizes and different types of insulation.
 - Determine the minimum size wireway and conduit nipples permitted for conductors.
 - Determine the minimum size junction box or device box permitted to take conductor fill into consideration.
 - Determine the minimum dimensions for pull boxes for straight pulls and angle pulls permitted.
 - Determine the minimum dimensions permitted for conduit bodies for various applications.
3. Determine proper sizing and installation of outlets, lighting circuits, appliances and heating circuits.
 - Determine the location of electrical outlets in a dwelling.
 - Determine the minimum number of general lighting, small appliance and laundry circuits permitted in a dwelling.
 - State the clearance requirements for outside aerial feeders and branch circuits.
 - Determine the minimum size flexible cord required for applications.
 - State the installation requirements for lighting outlets in clothes closets.
 - State the installation requirements for recessed lighting fixtures.
 - Determine the minimum size conductor for a storage-type electric water heater.
 - Determine the maximum number of baseboard electric heaters permitted to be installed on a 15- or 20-ampere branch-circuit.
4. Determine proper sizing and installation of services and feeders.
 - Determine the minimum permitted service entrance conductor size.
 - Determine the demand load to be included in a multifamily service calculation for more than two electric ranges in the building.
 - Determine the minimum permitted ampere rating for a single-family dwelling using the methods of *Article 220, Part 11* or the optional calculation method.
 - Determine the maximum unbalanced load for a single-family dwelling for the purpose of sizing the neutral conductor.
 - Determine the minimum ampere demand load for a small commercial building.

- Determine the minimum permitted service entrance demand load for a multi family dwelling.
- Determine the minimum ampere rating of the service entrance for an existing dwelling where there has been an addition to the structure.
- Determine the minimum demand load in amperes for a farm building where the loads operating with diversity and without diversity are known.
- Look up the installation requirements for a service entrance from the "Code".
- Determine the minimum permitted ampere rating of central distribution equipment for a group of farm buildings, where the demand loads at each building are known.

5. Determine proper grounding and bonding techniques for given situations.

- Explain the purpose of equipment grounding.
- Explain the purpose of electrical system grounding, and define bonding.
- Diagram a single-phase, dual-voltage, 3-wire electrical system and label the voltages between the wires.
- Diagram a 3-phase wye and a 3-phase delta electrical system and label the voltages between the wires.
- State when a single-phase and a 3-phase electrical system are required to be grounded if the voltages between the wires are known.
- Show which wire of an electrical system is required to be grounded if the electrical system is one required to be grounded.
- Name at least five materials considered by the Code as acceptable as a means of grounding electrical equipment not in a location with specific requirements.
- Determine the minimum size equipment-grounding conductor permitted for a branch circuit and feeder if the rating of overcurrent protection is known.
- State the minimum requirement for a grounding electrode for a service entrance to a building.
- Determine the minimum size of grounding electrode conductor permitted for a particular service entrance.
- Specify the type required and the minimum size permitted of bonding conductor for a swimming pool.

6. Determine proper overcurrent protection for given electrical situations.

- Name two types of overcurrent conditions.
- Explain two ways in which conductors and equipment are damaged during overcurrent conditions.
- Name two types of electrical fault conditions.
- Explain interrupting rating as related to electrical equipment.
- Name the two types of overcurrent conditions from which an overcurrent device protects.
- Determine the voltage drop along a length of conductor.
- Determine the minimum size wire that will limit voltage drop to a specific value for a given length of run and load.

7. Determine proper sizing and installation of components in an electrical motor circuit.

- Read and explain the use of the information on a motor nameplate.
- Determine the minimum size conductor permitted for a motor branch-circuit.
- Determine the maximum rating of the overcurrent device for the motor branch-circuit, short-circuit and ground-fault protection.
- Select the type and rating of disconnect required for a motor circuit.

- Select the type and rating for the controller for a motor.
- Determine the maximum permitted rating of motor overload protection.
- Determine the minimum size conductor permitted for a feeder supplying several motors.
- Explain when overcurrent protection for the motor-control circuit is needed in addition to the motor branch-circuit overcurrent device.
- Explain the meaning for NEMA enclosure type for motor controllers.
- Diagram a control circuit for a magnetic motor starter.

8. Determine proper sizing and installation of transformer circuit installations.

- Define insulating transformer and autotransformer.
- Determine the voltage of a transformer winding if turns ratio and the other winding voltage are given.
- Determine the full-load current of a transformer winding if the voltage and kilovolt-amperes of the transformer are given for single-phase or 3-phase transformers.
- Determine the minimum permitted kilovolt-amperes required for a specific application.
- Draw the proper connections of the windings of a dual-voltage single-phase transformer for the desired voltage.
- Explain the purpose of the taps on the primary winding of some transformers.
- State a specific example of the use of a boost and buck transformer.
- Determine the maximum permitted overcurrent protection for a specific transformer.
- Determine the minimum permitted primary and secondary conductors for a specific transformer application.
- Determine the maximum distance permitted from a feeder tap to the transformer overcurrent protection.
- Determine the maximum permitted input overcurrent protection for a boost or buck transformer application.
- Explain how to ground the transformer and the secondary electrical system of the transformer.

9. Determine proper wiring of defined hazardous locations.

- Explain the difference between a Division 1 and a Division 2 (or a Zone 0, Zone 1 and Zone 2), Class I hazardous location.
- Explain the difference between a Division 1 and a Division 2, Class II hazardous location.
- Describe the conditions that constitute a Class III hazardous location.
- Explain the function of an explosion-proof enclosure.
- Select the proper atmospheric group when given the name of a common flammable vapor or dust.
- Explain a wiring method permitted for use in a Class I hazardous locations.
- Explain a wiring method permitted for use in a Class II, Division 1 and Division 2 hazardous locations.
- Explain the special bonding requirements when double locknuts are used at an enclosure feeding a circuit in a hazardous location.
- State the minimum number of threads required on a piece of Rigid Metal Conduit or IMC to be use in a Class I hazardous location.

10. Determine proper wiring of health care facilities.

- Name two types of patient care areas of a health care facility.
- Describe when an anesthetizing location is also considered to be a hazardous location.

- Give examples of the types of electrical equipment to be supplied by the life safety branch of the essential electrical system of a health care facility.
- Give an example of the type of electrical equipment to be supplied by the critical branch of the essential electrical system of a health care facility.
- Explain the purpose of a reference grounding point for a patient care area of a health care facility.
- Name a specific location of a health care facility where a receptacle outlet is required to be listed for hospital use.
- Describe how equipment grounding is required to be installed from a receptacle outlet at a bed location of a critical care area to the service panel that supplies the receptacle.
- State the minimum number of receptacle outlets required at the bed location of a general care area of a hospital.
- State the minimum number of circuits required at a patient bed location of a critical care area to be supplied by the critical branch of the essential electrical system.

11. Determine proper wiring of emergency and alternate power systems.

- Determine the minimum size conductor permitted to connect a standby generator to a wiring system.
- Explain the purpose of transfer equipment for a standby power system. Define terms used in the code to describe solar photovoltaic systems.
- Name the types of equipment and circuits that make up the emergency electrical system of a typical commercial building.
- Explain how the wiring is to be run for emergency electrical circuits.

12. Determine proper wiring methods and materials used in **industrial** environments.

- Determine the minimum dimensions of cable tray permitted for given sizes and numbers of wires and cables.
- Determine the maximum ampacity of wires and cables to be installed in cable tray.
- Determine the maximum ampacity for a particular application to Type TC Cable or Type ITC Cable.
- Determine the maximum ampacity for wires to be installed in cablebus.
- Determine the maximum ampacity of branch-circuit conductors for a noncontinuous motor on a crane, hoist or monorail hoist.
- Explain how dielectric heating works in comparison with induction heating.
- Determine the minimum size supply conductor permitted for an industrial machine if the nameplate information is given.

13. Determine proper wiring methods and materials used in **commercial** environments.

- State the requirements when multioutlet assembly passes through a partition.
- Give a general description of under floor raceway, cellular metal floor raceway and cellular concrete floor raceway.
- Explain the purpose of an insert for a floor raceway.
- Explain what shall be done with wires remaining in use when a receptacle outlet is removed for cellular metal or concrete floor raceway.
- Explain how wires are to be connected to outlet devices for underfloor raceway installations.
- Describe a Flat Cable Assembly.
- State the maximum branch-circuit rating for a circuit of Flat Cable Assembly.

- Explain a method used to connect building section wiring when assembling a manufactured building where the connection will be concealed.
 - Explain the requirements for conductor insulation when used for elevators, dumbwaiters, escalators and moving walks.
 - Explain the minimum wire size and the number of circuits required for elevator car lighting.
14. Determine proper wiring methods and materials used in special environments.
- State the wiring methods permitted for a theater or similar location.
 - Explain the location of the controls and overcurrent protection for stage lighting outlets and receptacles.
 - Explain the special requirements for switching, lighting and receptacles in a theater dressing room.
 - Explain the wiring methods permitted to be used in a motion picture or television studio.
 - State the minimum size of wire permitted to supply an arc or xenon projector in a motion picture projection room.
 - Explain the grounding requirements for a water pump on a farm.
 - Describe which article of the code applies to the various types of communications circuits that can be installed within a building.
 - Describe the separation requirements of various types of communications wires in relation to circuit wires for normal light and power.

TEACHING MATERIALS

1. Students will acquire a copy of NFPA 70 (NEC 2011 book paper back / approx. \$95. Code books will be available at the college bookstore in the College Center. You must print out the Michigan Part 8 Rules, from the State of Michigan, Electrical Division web site.
2. Students will be provided with a *detailed article by session* layout plan for advanced study and preparation.
3. Students will be provided with a set of 430 example code exam questions upon request (must supply their own disk).
4. A power point presentation containing code examples and diagrams of pertinent materials will be used extensively throughout the semester.
5. "Home" assignments (6 in all) will be provided throughout the semester.

EVALUATION

1. Students must attend all 16 sessions and sign in. Failure to adhere to this policy may result in a full letter or number grade reduction (I.e. 3.5 to 2.5), also you will not receive your certification for license renewal.
2. Two exams will be given and will *resemble*, in content rather than size, the actual code exam given by the State. These exams will be taken using all available resources such as the NEC and the State of Michigan Part 8 Rules. The exams are made up of a multiple choice, involving calculations using calculators.
3. Six home assignments will be given and, you will be given 10 points for each completely correct answer or points for the amount of correct answer. They must all be completed and repeated if necessary.
4. Late Work: The first 3 assignments must be in a week before the midterm, if not you lose those points. The last 3 must be in the week before Final, if not you lose those points. Example;

Assignment 1 is 50 points, so now you only get a possible 250 points for homework assignments, assuming you get all the rest of the answers correct, on the other 5 homework assignments.

SCORING

Attendance	= 200 points
Exam	= 500 points
Home assignments	= <u>300 points</u>
Total points	= 1000 POINTS

1000-900 points	= 4.0
899-850 points	= 3.5
849-800 points	= 3.0
799-750 points	= 2.5
749-700 points	= 2.0
699-650 points	= 1.5
649-600 points	= 1.0
Less than 600 points	= 0.0

RESUME

7/30/2013

NAME: Norman (John) Ross

BIRTH DATE: [REDACTED]

HOME PHONE: [REDACTED]

LICENSES: Master Electrician #62-05888

Electrical Contractor #61-05146

UAW Electrical Journey person #196529

State approved Certification #97-1022 for instruction of 42 hours "93" N.E.C..

State approved Certification #99-1022 for instruction of 42 hours "96" N.E.C..

State approved Certification #01-1022-99 for instruction of 42 hours "99" N.E.C..

State approved Certification #04-042-02 for instruction of 42 hours "02" N.E.C..

State approved Certification #97-1055 for instruction of 17.5 hours "93" N.E.C..

State approved Certification #99-1055 for instruction of 17.5 hours "96" N.E.C..

State approved Certification #01-1055-99 for instruction of 17.5 hours "99" N.E.C..

State approved Certification #04-041-02 for instruction of 17.5 hours "02" N.E.C..

EDUCATION:

HIGH SCHOOL: Linden High

COLLEGE: Mott Community College, Uncompleted: Majored Robotics Technology.

TRADE SCHOOL (either at manufactures facilities or in house)

Programmable Controller Schools at Manufactures Facilities:

Allen-Bradley, Sq. D Symax 20, Modicon Basic Theory and Micro 84, 484, 584.

Classes at HRC:

Electrical Code and Standards, OSHA Electrical Safety Seminar, TES Window Training, Pro Trainer 1, Training Needs Analysis, and Teaching Technical Topics.

Buick City Training Center:

A&B Plc-3 and 5, 380 GMF Robot, SQ. D Weld Controller, Panel view, Sq. D Busway.

All required Safety Training.

L.C.A. Training:

ABB Robot Programming I & II and train the trainer, ABB Robot Electrical service and train the trainer.

Classes in house at Suppliers I worked for:

Distribution = SQ. D, Cutler Hammer and G.E..

Wiring Devices = G.E., Hubbell, Arrow-Hart, Leviton, Slater, and Joy.

Lighting (inside and out) = G.E., Hubbell, Spaulding, Lithonia, Miller and Benjamin.

Lamps = G.E. lamp Co., Sylvania lamp Co.
Wire = Alco, G.E., Anaconda, Eittco, Kaiser, American, Carol, and I.T.T. wire Co..
Junction Boxes = Appleton, Steel City, Race Hoffman Keystone.
Under Floor Duct = Square D, Steel City, and 3M.
Adhesive = 3M, Plymouth, and Hi-Flex.
Conduit Steel & P.V.C. = Triangle Steel, Republic Steel, and Carlon P.V.C. Co.
Conduit Fittings = Electroline, Blackhawk, Appleton, Steel City, T&B, Neer, Crouse Hinds.
Termination = T&B, 3M, Blackburn, and SqD.
Fuses = Bussman, Chase & Shulmut, and G.E..

Mott Adult Trade Classes:

National Electrical Code "68" and "71", D.C. and A.C. Fundamentals, House Wiring and Commercial Blue Print Reading.

Work Experience:

Day-Lite Electric: 1965 to 1972, Electrician (trouble shooter, commercial and industrial).

Advance Electric: 1972 to 1980, Contractor Sales Manager, time spent trouble shooting and circuit design for Electrical Contractors and overseeing 14 employees.

Ruggles Electric: 1976 to 1979, Electrician (part-time) service calls & project wiring.

R&H Electric: 1980 to 1982, Electrician (part-time) project wiring.

Royalite Electric Co.: 1980 to 1/21/85, Operations Manager, time spent trouble shooting circuit design and proper interpretation of National Electrical Code for Electrical Contractors. I also taught Programmable Controller classes at A.C., Fisher 1, Buick and Chevy Engine. I was also overseeing 29 other employees and helping program companies computer system.

Mott Community Trade School: 1978 to 10/9/80, substitute teacher; A.C. and D.C. fundamentals. National Electrical Code, Residential Wiring and Blue Print Reading.

Mott Community College: 1981 to Present, part-time teacher; Electrician I (residential wiring), Electrician II (ladder diagramming Commercial and Industrial wiring), Maintenance Training Course, 42 hour National Electrical Code (State Certified), and 17.5 hour National Electrical Code Update (State Certified). As of January 2005, I am also teaching a accredit college course.

A.C.: 6/20/88 to 8/20/88, Electrician on construction during a 8 month lay-off from B.O.C..

All-Purpose Electric Inc: 1987 to 8/1/88, I was the Master and Contractor license holder of

Company and installer.

John Ross and Sons Electric: 4/1/89 to present Master and Contractor license holder of
Company and installer.

B.O.C.-G.M. : 1/23/85 to 1/20/97, Classification 4140 (electrician). From 2/12/89 to 10/16/96
was Electrical Trainer at Buick City Training Center, teaching PLC-3 A&B and
National Electrical Code, reduced out because of site wide lay-off. Remaining
time spent as a maintenance electrician.

L.C.A. G.M.: 1/21/97 to 7/16/04, Electrician Plant 6, C body front-ends 3rd. shift until February
"97". Trainer in the Lansing Training center, teaching ABB Programming and
Service, PLC 3, 42 hour National Electrical Code class, and 16 hour Code Update
class until December "99". Then, I returned to the body shop working as an
electrician on 3rd shift. As of May "04", I started working as a trouble shooter for
entire underbody shop.

Flint Assembly G.M.: 7/19/04 to 8/1/2008, Working as an electrician in 800 body shop.